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für

1908.

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für

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mit Angaben für die Oppositionen
der Planeten (1)—(553)

für

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	[Gr. 1852]	AR. lies	$12^{h}\ 0^{m}\ 32^{s}.076$	anstatt $32^{s}.074$
» 158	[2 Can. ven.]	Die Eigenbewegung für AR. u. Dekl. sind zu vertauschen		
	α Virginis	AR. lies	$13^{h}\ 20^{m}\ 17^{s}.513$	anstatt $17^{s}.511$
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» 164	β Aquarii	» » Dekl. »	+15″.720	» +15″.736
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Seite 153	151 ν Tauri	Dekl. lies	+ 5° 44′ 4″.15	anstatt + 5° 43′ 4″.15
	152 c Persei	» »	+47° 28′ 2″.96	» +47° 27′ 2″.96
» 154	177 [μ Mensae]	Dekl. lies	—	anstatt +
» 163	498 α Virginis	AR. lies	$13^{h}\ 20^{m}\ 20^{s}.670$	anstatt $13^{h}\ 20^{m}\ 20^{s}.665$
		Jährl. Veränd. in AR. lies	$+3^{s}.1562$	anstatt $+3^{s}.1537$
» 494	363 Padua	ω lies	293° 18′ 1″.4	anstatt 239° 18′ 1″.4
	desgl. im Jahrbuch 1907.			

Vorwort.

Nach den Beschlüssen der Pariser Konferenz vom Mai 1896 *(Conférence internationale des étoiles fondamentales. Procès-Verbaux. Paris 1896)* sind im Jahrbuch vom Jahrgang 1901 an durchweg eingeführt:

die Präzessions-Gröfsen nach S. Newcomb *(Astr. Papers Vol. VIII. Part I)*,
die Nutations-Konstante 9″.21,
die Aberrations-Konstante 20″.47,
die Sonnen-Parallaxe 8″.80;

ferner sind in allen Ephemeriden der Sonne, der Planeten und der Fixsterne die kurzperiodischen, von der Mondlänge abhängigen Nutationsglieder weggelassen; ausgenommen von dieser allgemeinen Regel sind nur die Ephemeriden der Polsterne, die von Tag zu Tag fortschreiten; in diesen ist wohl das allen Sternen gemeinsame Nutationsglied $f' = -0''.1867 \sin 2☾ + 0''.0618 \sin (☾ - \Gamma')$ weggelassen, die übrigen mit der Tangente der Dekl. multiplizierten Glieder sind jedoch beibehalten. Das Jahrbuch gibt übrigens die Mittel an die Hand, die weggelassenen Glieder nachträglich anzubringen, worüber die »Erläuterungen« einzusehen sind.

Im vorliegenden Jahrgang ist der neue Auwerssche Fundamentalkatalog der Fixsterne in seiner ganzen Ausdehnung auf beide Hemisphären zum ersten Male eingeführt, nachdem der dem bisherigen Verzeichnis des Jahrbuchs zu Grunde liegende Teil desselben bereits im vorigen Jahrgang gebracht worden ist. Dieser neue Fundamentalkatalog wird bis jetzt nur durch die definitiven Korrektionen der älteren Kataloge in den Astronomischen Nachrichten Nr. 3927/29 und 4019/20 geboten. Seine Bearbeitung für die Epoche 1900.0 ist bereits von Herrn Dr. Peters in Angriff genommen und wird von diesem mit Unterstützung des Recheninstituts in Jahresfrist fertig gestellt werden.

Der neue Katalog umfafst 925 Sterne, nämlich 603 von den früher im Jahrbuch gebrachten 622 Sternen (ausgeschlossen wurden F. C. Nr. 12, 28, 35, 36, 82, 94, 95, 158, 194, 207, 210, 231, 261, 262, 296, 335, 509, 589, 606) und 322 neu hinzugekommene des Südhimmels.

Ausführliche Ephemeriden der scheinbaren Örter werden für 573 Sterne geboten, darunter 18 von Tag zu Tag fortschreitende der eigentlichen Polsterne. Die 450 Sterne, für welche in den früheren Jahrgängen Ephemeriden gegeben wurden, sind alle beibehalten, mit Ausnahme von o Ceti und π Bootis, von denen letztere durch die von ζ Bootis ersetzt wurde. Neu hinzugekommen sind aufser den oben genannten die Ephemeriden von 124 Sternen des Südhimmels, darunter 9 von Tag zu Tag berechnete in der Nähe des Südpoles.

Den angegebenen Eigenbewegungen liegt die Newcombsche Präzessions-Konstante zu Grunde.

Für die Planeten sind folgende Tafeln benutzt worden:

Sonne: Tafeln von Newcomb,
Merkur: Tafeln von Newcomb,
Venus: Tafeln von Newcomb,
Mars: Tafeln von Newcomb,
Jupiter: Tafeln von Hill,
Saturn: Tafeln von Hill,
Uranus: Tafeln von Newcomb,
Neptun: Tafeln von Newcomb.

Die Schiefe der Ekliptik ist nach Newcomb angenommen.

Für den Halbmesser der Sonne ist die bisherige Konstante (nach Auwers) beibehalten, für den Halbmesser des Mondes ist sowohl in der Ephemeride (S. 42—81) als bei der Berechnung der Finsternisse und Sternbedeckungen der von J. Peters ermittelte Wert 15′ 32″.59, entsprechend der Parallaxe 57′ 2″.27, benutzt (A. N. Nr. 3297).

Die Lage des Mondäquators ist nach F. Hayn (Selenographische Koordinaten) angenommen.

Als Vergröfserungsfaktor für den Erdschatten bei Mondfinsternissen ist nach J. Hartmann $\frac{1}{50}$ angenommen worden.

Zeit- und Festrechnung 1908.

Das Jahr 1908 entspricht dem
Jahr 6621 der Julianischen Periode und dem
Jahr 7416 — 7417 der Byzantinischen Äre.

	Gregorianischer oder Neuer Kalender.	Julianischer oder Alter Kalender.
Goldene Zahl	9	9
Epakten	XXVII	IX
Sonnenzirkel	13	13
Römer Zinszahl	6	6
Sonntagsbuchstab	ED	FE
Septuagesima	Febr. 16	Febr. 10
Aschermittwoch	März 4	Febr. 27
I. Quatember	März 11	März 5
Ostersonntag	April 19	April 13
Himmelfahrt	Mai 28	Mai 22
Pfingstsonntag	Juni 7	Juni 1
II. Quatember	Juni 10	Juni 4
III. Quatember	Sept. 16	Sept. 17
I. Advent	Nov. 29	Nov. 30
IV. Quatember	Dez. 16	Dez. 17

Kalender der Mohamedaner

1325			
Dsû 'l-hedsche 1	1908	Jan.	5
1326 (Gemeinjahr)			
Moharrem 1	»	Febr.	4
Safar 1	»	März	5
Rebî-el-awwel 1	»	April	3
Rebî-el-accher 1	»	Mai	3
Dschemâdi-el-awwel 1	»	Juni	1
Dschemâdi-el-accher 1	»	Juli	1
Redscheb 1	»	Juli	30
Schabân 1	»	Aug.	29
Ramadân 1	»	Sept.	27
Schewwâl 1	»	Okt.	27
Dsû 'l-kade 1	»	Nov.	25
Dsû 'l-hedsche 1	»	Dez.	25
1327 (Schaltjahr)			
Moharrem 1	1909	Jan.	23

Kalender der Juden.

5668	Schebat	1	. . . .	1908	Jan.	4
	Adar	1	. . . .	»	Febr.	3
		14	Klein Purim	»		16
	Veadar	1	. . . .	»	März	4
		13	Fasten-Esther	»		16
		14	Purim	»		17
		15	Schuschan-Purim	»		18
	Nisan	1	. . . .	»	April	2
		15	Passah-Anfang*	»		16
		16	Zweites Fest*	»		17
		21	Siebentes Fest*	»		22
		22	Achtes Fest*	»		23
	Ijar	1	. . . .	»	Mai	2
		18	Lag-B'omer	»		19
	Sivan	1	. . . .	»		31
		6	Wochenfest*	»	Juni	5
		7	Zweites Fest*	»		6
	Thamuz	1	. . . .	»		30
		17	Fasten. Tempeleroberung	»	Juli	16
	Ab	1	. . . .	»		29
		9	Fasten. Tempelverbrennung . . .	»	Aug.	6
	Elul	1	. . . .	»		28
5669 { Überzähliges Gemeinjahr						
	Tischri	1	Neujahrsfest*	»	Sept.	26
		2	Zweites Fest*	»		27
		3	Fasten-Gedaljah	»		28
		10	Versöhnungsfest*	»	Okt.	5
		15	Laubhüttenfest*	»		10
		16	Zweites Fest*	»		11
		21	Palmenfest	»		16
		22	Versammlung oder Laubhüttenende* .	»		17
		23	Gesetzesfreude*	»		18
	Marcheschwan	1	. . . .	»		26
	Kislev	1	. . . .	»	Nov.	25
		25	Tempelweihe	»	Dez.	19
	Tebet	1	. . . .	»		25
		10	Fasten. Belagerung Jerusalems . .	1909	Jan.	3

Die mit * bezeichneten Festtage werden streng gefeiert.

1908	Schiefe der Ekliptik mittlere	Schiefe der Ekliptik wahre	Präzession in Länge	Nutation in Länge	Aberration der Sonne	Parallaxe der Sonne
	23°					
Jan. 1	27′ 4″.51	27′ 1″.76	— 0″.04	—16″.36	20″.82	8″.95
11	4.50	1.93	+ 1.34	15.98	20.82	8.95
21	4.49	2.15	2.71	15.70	20.80	8.94
31	4.47	2.41	4.09	15.56	20.78	8.93
Febr. 10	4.46	2.68	5.46	15.57	20.74	8.92
20	27 4.45	27 2.93	+ 6.84	—15.74	20.70	8.90
März 1	4.43	3.15	8.22	16.05	20.65	8.88
11	4.42	3.31	9.59	16.45	20.60	8.86
21	4.41	3.41	10.97	16.91	20.54	8.83
31	4.40	3.45	12.34	17.36	20.48	8.80
April 10	27 4.38	27 3.43	+13.72	—17.76	20.42	8.78
20	4.37	3.36	15.10	18.06	20.37	8.76
30	4.36	3.26	16.47	18.24	20.31	8.73
Mai 10	4.35	3.14	17.85	18.28	20.26	8.71
20	4.33	3.04	19.22	18.18	20.22	8.69
30	27 4.32	27 2.97	+20.60	—17.96	20.19	8.68
Juni 9	4.31	2.94	21.98	17.64	20.16	8.67
19	4.29	2.97	23.35	17.27	20.14	8.66
29	4.28	3.05	24.73	16.88	20.13	8.66
Juli 9	4.27	3.20	26.10	16.53	20.13	8.66
19	27 4.26	27 3.40	+27.48	—16.26	20.14	8.66
29	4.24	3.63	28.86	16.09	20.16	8.67
Aug. 8	4.23	3.88	30.23	16.05	20.19	8.68
18	4.22	4.14	31.61	16.15	20.23	8.70
28	4.21	4.37	32.98	16.38	20.27	8.72
Sept. 7	27 4.19	27 4.56	+34.36	—16.71	20.32	8.74
17	4.18	4.70	35.74	17.12	20.37	8.76
27	4.17	4.77	37.11	17.56	20.43	8.78
Okt. 7	4.15	4.79	38.49	17.97	20.49	8.81
17	4.14	4.74	39.86	18.30	20.55	8.83
27	27 4.13	27 4.65	+41.24	—18.52	20.61	8.86
Nov. 6	4.11	4.54	42.62	18.60	20.66	8.88
16	4.10	4.42	43.99	18.52	20.71	8.90
26	4.09	4.32	45.37	18.28	20.75	8.92
Dez. 6	4.08	4.26	46.74	17.91	20.78	8.93
16	27 4.06	27 4.26	+48.12	—17.45	20.80	8.94
26	4.05	4.33	49.50	16.96	20.82	8.95
36	4.04	4.46	50.87	16.49	20.82	8.95

Mittlere Schiefe der Ekliptik für 1910.0 = 23° 27′ 3″.58.

Mittlerer Berliner Mittag.

Monats- und Wochentag			Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
			m s	h m s	m s	° ′ ″	′ ″	s	′ ″
Jan.	1	Mi	+ 3 9.21	18 42 0.00	4 25.23	−23 5 57.2	4 40.0	141.90	16 15.95
	2	Do	3 37.88	18 46 25.23	4 24.91	23 1 17.2	5 7.6	141.82	16 15.95
	3	Fr	4 6.23	18 50 50.14	4 24.56	22 56 9.6	5 34.9	141.73	16 15.95
	4	Sa	4 34.23	18 55 14.70	4 24.18	22 50 34.7	6 2.2	141.63	16 15.95
	5	So	5 1.85	18 59 38.88	4 23.77	22 44 32.5	6 29.4	141.52	16 15.94
	6	Mo	+ 5 29.06	19 4 2.65	4 23.31	−22 38 3.1	6 56.2	141.41	16 15.93
	7	Di	5 55.82	19 8 25.96	4 22.83	22 31 6.9	7 22.8	141.29	16 15.92
	8	Mi	6 22.09	19 12 48.79	4 22.31	22 23 44.1	7 49.4	141.16	16 15.90
	9	Do	6 47.84	19 17 11.10	4 21.77	22 15 54.7	8 15.6	141.02	16 15.88
	10	Fr	7 13.05	19 21 32.87	4 21.21	22 7 39.1	8 41.5	140.88	16 15.85
	11	Sa	+ 7 37.70	19 25 54.08	4 20.62	−21 58 57.6	9 7.3	140.73	16 15.82
	12	So	8 1.77	19 30 14.70	4 20.01	21 49 50.3	9 32.7	140.57	16 15.78
	13	Mo	8 25.22	19 34 34.71	4 19.38	21 40 17.6	9 57.9	140.41	16 15.73
	14	Di	8 48.04	19 38 54.09	4 18.73	21 30 19.7	10 22.8	140.24	16 15.68
	15	Mi	9 10.22	19 43 12.82	4 18.07	21 19 56.9	10 47.4	140.07	16 15.63
	16	Do	+ 9 31.73	19 47 30.89	4 17.39	−21 9 9.5	11 11.6	139.89	16 15.57
	17	Fr	9 52.56	19 51 48.28	4 16.69	20 57 57.9	11 35.6	139.70	16 15.50
	18	Sa	10 12.69	19 56 4.97	4 15.99	20 46 22.3	11 59.3	139.51	16 15.43
	19	So	10 32.12	20 0 20.96	4 15.26	20 34 23.0	12 22.6	139.31	16 15.35
	20	Mo	10 50.83	20 4 36.22	4 14.53	20 22 0.4	12 45.6	139.11	16 15.26
	21	Di	+11 8.80	20 8 50.75	4 13.79	−20 9 14.8	13 8.2	138.91	16 15.17
	22	Mi	11 26.04	20 13 4.54	4 13.05	19 56 6.6	13 30.6	138.70	16 15.07
	23	Do	11 42.53	20 17 17.59	4 12.29	19 42 36.0	13 52.5	138.49	16 14.97
	24	Fr	11 58.26	20 21 29.88	4 11.52	19 28 43.5	14 14.2	138.27	16 14.86
	25	Sa	12 13.23	20 25 41.40	4 10.75	19 14 29.3	14 35.4	138.05	16 14.75
	26	So	+12 27.42	20 29 52.15	4 9.97	−18 59 53.9	14 56.2	137.83	16 14.63
	27	Mo	12 40.84	20 34 2.12	4 9.19	18 44 57.7	15 16.8	137.61	16 14.51
	28	Di	12 53.47	20 38 11.31	4 8.39	18 29 40.9	15 36.9	137.38	16 14.38
	29	Mi	13 5.31	20 42 19.70	4 7.60	18 14 4.0	15 56.6	137.16	16 14.25
	30	Do	13 16.35	20 46 27.30	4 6.80	17 58 7.4	16 16.0	136.93	16 14.11
	31	Fr	+13 26.59	20 50 34.10	4 5.98	−17 41 51.4	16 34.9	136.70	16 13.97
Febr.	1	Sa	13 36.02	20 54 40.08	4 5.17	17 25 16.5	16 53.4	136.47	16 13.83
	2	So	13 44.63	20 58 45.25	4 4.34	17 8 23.1	17 11.6	136.24	16 13.69
	3	Mo	13 52.41	21 2 49.59	4 3.51	16 51 11.5	17 29.2	136.01	16 13.54
	4	Di	13 59.37	21 6 53.10	4 2.69	16 33 42.3	17 46.5	135.78	16 13.39
	5	Mi	+14 5.50	21 10 55.79	4 1.86	−16 15 55.8	18 3.3	135.55	16 13.24
	6	Do	14 10.80	21 14 57.65	4 1.02	15 57 52.5	18 19.8	135.32	16 13.08
	7	Fr	14 15.27	21 18 58.67	4 0.20	15 39 32.7	18 35.7	135.10	16 12.92
	8	Sa	14 18.92	21 22 58.87	3 59.38	15 20 57.0	18 51.3	134.87	16 12.76
	9	So	14 21.75	21 26 58.25		15 2 5.7		134.65	16 12.59

Mittlerer Berliner Mittag.

Monats- und Jahrestag			Sternzeit	Mittleres Äqu. 1908.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0″.01 dλ	dε
Jan.	1	1	18h 38m 50s.79	279° 39′ 36″.40	61′ 10″.94	+0″.24	9.9926761	16	−17	−7
	2	2	18 42 47.35	280 40 47.34	61 11.08	+0.12	9.9926745	0	− 8	−9
	3	3	18 46 43.91	281 41 58.42	61 11.12	−0.01	9.9926745	15	+ 2	−9
	4	4	18 50 40.47	282 43 9.54	61 11.03	−0.15	9.9926760	31	+13	−7
	5	5	18 54 37.03	283 44 20.57	61 10.82	−0.28	9.9926791	47	+19	−3
	6	6	18 58 33.59	284 45 31.39	61 10.50	−0.40	9.9926838	65	+22	+1
	7	7	19 2 30.14	285 46 41.89	61 10.09	−0.50	9.9926903	83	+20	+5
	8	8	19 6 26.70	286 47 51.98	61 9.61	−0.58	9.9926986	103	+16	+7
	9	9	19 10 23.26	287 49 1.59	61 9.07	−0.63	9.9927089	123	+ 8	+9
	10	10	19 14 19.82	288 50 10.66	61 8.48	−0.65	9.9927212	146	− 1	+8
	11	11	19 18 16.38	289 51 19.14	61 7.89	−0.63	9.9927358	169	− 8	+6
	12	12	19 22 12.93	290 52 27.03	61 7.28	−0.58	9.9927527	194	−12	+3
	13	13	19 26 9.49	291 53 34.31	61 6.66	−0.51	9.9927721	219	−14	−1
	14	14	19 30 6.05	292 54 40.97	61 6.04	−0.41	9.9927940	246	−11	−5
	15	15	19 34 2.61	293 55 47.01	61 5.42	−0.29	9.9928186	272	− 5	−8
	16	16	19 37 59.16	294 56 52.43	61 4.81	−0.15	9.9928458	299	+ 3	−9
	17	17	19 41 55.72	295 57 57.24	61 4.23	−0.01	9.9928757	326	+11	−8
	18	18	19 45 52.28	296 59 1.47	61 3.66	+0.12	9.9929083	354	+17	−6
	19	19	19 49 48.83	298 0 5.13	61 3.08	+0.24	9.9929437	381	+19	−2
	20	20	19 53 45.39	299 1 8.21	61 2.52	+0.36	9.9929818	407	+18	+2
	21	21	19 57 41.95	300 2 10.73	61 1.97	+0.46	9.9930225	433	+12	+6
	22	22	20 1 38.50	301 3 12.70	61 1.45	+0.54	9.9930658	459	+ 3	+8
	23	23	20 5 35.06	302 4 14.15	61 0.92	+0.59	9.9931117	483	− 7	+9
	24	24	20 9 31.62	303 5 15.07	61 0.38	+0.61	9.9931600	507	−16	+8
	25	25	20 13 28.17	304 6 15.45	60 59.82	+0.61	9.9932107	529	−24	+5
	26	26	20 17 24.73	305 7 15.27	60 59.25	+0.59	9.9932636	550	−27	+1
	27	27	20 21 21.28	306 8 14.52	60 58.66	+0.53	9.9933186	570	−25	−3
	28	28	20 25 17.84	307 9 13.18	60 58.03	+0.44	9.9933756	587	−21	−6
	29	29	20 29 14.40	308 10 11.21	60 57.33	+0.33	9.9934343	603	−12	−8
	30	30	20 33 10.95	309 11 8.54	60 56.54	+0.20	9.9934946	618	− 1	−9
	31	31	20 37 7.51	310 12 5.08	60 55.65	+0.06	9.9935564	631	+ 9	−7
Febr.	1	32	20 41 4.06	311 13 0.73	60 54.65	−0.07	9.9936195	644	+18	−4
	2	33	20 45 0.62	312 13 55.38	60 53.54	−0.20	9.9936839	656	+21	−1
	3	34	20 48 57.17	313 14 48.92	60 52.33	−0.31	9.9937495	669	+21	+3
	4	35	20 52 53.73	314 15 41.25	60 51.02	−0.40	9.9938164	681	+17	+7
	5	36	20 56 50.29	315 16 32.27	60 49.63	−0.46	9.9938845	695	+10	+9
	6	37	21 0 46.84	316 17 21.90	60 48.16	−0.48	9.9939540	710	+ 2	+9
	7	38	21 4 43.40	317 18 10.06	60 46.61	−0.47	9.9940250	726	− 5	+7
	8	39	21 8 39.95	318 18 56.67	60 45.02	−0.43	9.9940976	742	−11	+4
	9	40	21 12 36.51	319 19 41.69		−0.37	9.9941718		−13	0

1*

Mittlerer Berliner Mittag.

Monats- und Wochentag		Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
		m s	h m s	m s	° ′ ″	′ ″	s	′ ″
Febr. 8	Sa	+14 18.92	21 22 58.87	3 59.38	−15 20 57.0	18 51.3	134.87	16 12.76
9	So	14 21.75	21 26 58.25	3 58.57	15 2 5.7	19 6.4	134.65	16 12.59
10	Mo	14 23.76	21 30 56.82	3 57.75	14 42 59.3	19 21.1	134.42	16 12.42
11	Di	14 24.96	21 34 54.57	3 56.96	14 23 38.2	19 35.4	134.20	16 12.25
12	Mi	14 25.36	21 38 51.53	3 56.18	14 4 2.8	19 49.3	133.98	16 12.07
13	Do	+14 24.98	21 42 47.71	3 55.41	−13 44 13.5	20 2.7	133.77	16 11.89
14	Fr	14 23.83	21 46 43.12	3 54.65	13 24 10.8	20 15.8	133.55	16 11.70
15	Sa	14 21.93	21 50 37.77	3 53.90	13 3 55.0	20 28.5	133.34	16 11.51
16	So	14 19.28	21 54 31.67	3 53.17	12 43 26.5	20 40.7	133.13	16 11.31
17	Mo	14 15.90	21 58 24.84	3 52.46	12 22 45.8	20 52.5	132.92	16 11.11
18	Di	+14 11.80	22 2 17.30	3 51.76	−12 1 53.3	21 4.0	132.72	16 10.90
19	Mi	14 7.01	22 6 9.06	3 51.08	11 40 49.3	21 15.0	132.52	16 10.69
20	Do	14 1.54	22 10 0.14	3 50.41	11 19 34.3	21 25.7	132.32	16 10.48
21	Fr	13 55.40	22 13 50.55	3 49.76	10 58 8.6	21 35.9	132.13	16 10.26
22	Sa	13 48.60	22 17 40.31	3 49.13	10 36 32.7	21 45.8	131.94	16 10.03
23	So	+13 41.18	22 21 29.44	3 48.52	−10 14 46.9	21 55.2	131.75	16 9.80
24	Mo	13 33.15	22 25 17.96	3 47.93	9 52 51.7	22 4.3	131.57	16 9.57
25	Di	13 24.52	22 29 5.89	3 47.35	9 30 47.4	22 13.1	131.39	16 9.34
26	Mi	13 15.31	22 32 53.24	3 46.78	9 8 34.3	22 21.3	131.22	16 9.10
27	Do	13 5.54	22 36 40.02	3 46.24	8 46 13.0	22 29.2	131.05	16 8.86
28	Fr	+12 55.23	22 40 26.26	3 45.70	− 8 23 43.8	22 36.6	130.89	16 8.62
29	Sa	12 44.38	22 44 11.96	3 45.18	8 1 7.2	22 43.7	130.73	16 8.38
März 1	So	12 33.00	22 47 57.14	3 44.67	7 38 23.5	22 50.4	130.58	16 8.14
2	Mo	12 21.12	22 51 41.81	3 44.18	7 15 33.1	22 56.7	130.43	16 7.89
3	Di	12 8.75	22 55 25.99	3 43.70	6 52 36.4	23 2.4	130.29	16 7.65
4	Mi	+11 55.89	22 59 9.69	3 43.24	− 6 29 34.0	23 7.8	130.15	16 7.40
5	Do	11 42.58	23 2 52.93	3 42.79	6 6 26.2	23 12.8	130.02	16 7.16
6	Fr	11 28.82	23 6 35.72	3 42.36	5 43 13.4	23 17.3	129.90	16 6.91
7	Sa	11 14.62	23 10 18.08	3 41.94	5 19 56.1	23 21.5	129.78	16 6.66
8	So	11 0.01	23 14 0.02	3 41.54	4 56 34.6	23 25.3	129.67	16 6.41
9	Mo	+10 45.00	23 17 41.56	3 41.16	− 4 33 9.3	23 28.7	129.56	16 6.16
10	Di	10 29.61	23 21 22.72	3 40.81	4 9 40.6	23 31.7	129.46	16 5.90
11	Mi	10 13.86	23 25 3.53	3 40.48	3 46 8.9	23 34.3	129.36	16 5.65
12	Do	9 57.79	23 28 44.01	3 40.17	3 22 34.6	23 36.5	129.27	16 5.39
13	Fr	9 41.41	23 32 24.18	3 39.87	2 58 58.1	23 38.4	129.19	16 5.13
14	Sa	+ 9 24.73	23 36 4.05	3 39.60	− 2 35 19.7	23 39.9	129.11	16 4.87
15	So	9 7.78	23 39 43.65	3 39.36	2 11 39.8	23 41.1	129.04	16 4.61
16	Mo	8 50.59	23 43 23.01	3 39.14	1 47 58.7	23 41.9	128.97	16 4.34
17	Di	8 33.17	23 47 2.15	3 38.94	1 24 16.8	23 42.3	128.91	16 4.07
18	Mi	8 15.55	23 50 41.09		1 0 34.5		128.85	16 3.80

Mittlerer Berliner Mittag.

Monats- und Jahrestag			Sternzeit	Mittleres Äqu. 1908.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. (in 0".01 dλ	dε
Febr.	8	39	21ʰ 8ᵐ 39.95ˢ	318° 18′ 56.67″	60 45.02	−0.43	9.9940976	742	−11	+4
	9	40	21 12 36.51	319 19 41.69	60 43.42	−0.37	9.9941718	761	−13	0
	10	41	21 16 33.06	320 20 25.11	60 41.82	−0.28	9.9942479	780	−12	−4
	11	42	21 20 29.62	321 21 6.93	60 40.22	−0.17	9.9943259	799	−7	−7
	12	43	21 24 26.17	322 21 47.15	60 38.62	−0.04	9.9944058	819	0	−9
	13	44	21 28 22.73	323 22 25.77	60 37.01	+0.09	9.9944877	840	+9	−9
	14	45	21 32 19.28	324 23 2.78	60 35.42	+0.22	9.9945717	861	+16	−7
	15	46	21 36 15.83	325 23 38.20	60 33.85	+0.34	9.9946578	881	+19	−3
	16	47	21 40 12.39	326 24 12.05	60 32.31	+0.46	9.9947459	902	+19	+1
	17	48	21 44 8.94	327 24 44.36	60 30.79	+0.57	9.9948361	923	+14	+5
	18	49	21 48 5.50	328 25 15.15	60 29.30	+0.65	9.9949284	944	+7	+7
	19	50	21 52 2.05	329 25 44.45	60 27.83	+0.70	9.9950228	963	−3	+9
	20	51	21 55 58.60	330 26 12.28	60 26.38	+0.72	9.9951191	983	−13	+8
	21	52	21 59 55.15	331 26 38.66	60 24.97	+0.73	9.9952174	1001	−22	+6
	22	53	22 3 51.71	332 27 3.63	60 23.57	+0.71	9.9953175	1018	−27	+3
	23	54	22 7 48.26	333 27 27.20	60 22.17	+0.65	9.9954193	1034	−27	−1
	24	55	22 11 44.82	334 27 49.37	60 20.78	+0.56	9.9955227	1047	−23	−5
	25	56	22 15 41.37	335 28 10.15	60 19.39	+0.46	9.9956274	1060	−14	−8
	26	57	22 19 37.93	336 28 29.54	60 17.97	+0.35	9.9957334	1071	−4	−9
	27	58	22 23 34.48	337 28 47.51	60 16.49	+0.22	9.9958405	1079	+6	−8
	28	59	22 27 31.03	338 29 4.00	60 14.95	+0.09	9.9959484	1086	+15	−6
	29	60	22 31 27.58	339 29 18.95	60 13.34	−0.04	9.9960570	1092	+20	−2
März	1	61	22 35 24.14	340 29 32.29	60 11.65	−0.15	9.9961662	1096	+22	+2
	2	62	22 39 20.69	341 29 43.94	60 9.85	−0.24	9.9962758	1100	+18	+6
	3	63	22 43 17.24	342 29 53.79	60 7.96	−0.31	9.9963858	1105	+12	+8
	4	64	22 47 13.80	343 30 1.75	60 5.97	−0.34	9.9964963	1108	+4	+9
	5	65	22 51 10.35	344 30 7.72	60 3.91	−0.35	9.9966071	1112	−4	+8
	6	66	22 55 6.90	345 30 11.63	60 1.79	−0.32	9.9967183	1118	−10	+5
	7	67	22 59 3.46	346 30 13.42	59 59.64	−0.26	9.9968301	1124	−13	+1
	8	68	23 3 0.01	347 30 13.06	59 57.46	−0.17	9.9969425	1131	−13	−3
	9	69	23 6 56.56	348 30 10.52	59 55.26	−0.06	9.9970556	1139	−8	−6
	10	70	23 10 53.12	349 30 5.78	59 53.06	+0.06	9.9971695	1147	−2	−8
	11	71	23 14 49.67	350 29 58.84	59 50.85	+0.18	9.9972842	1156	+7	−9
	12	72	23 18 46.22	351 29 49.69	59 48.66	+0.30	9.9973998	1166	+13	−7
	13	73	23 22 42.77	352 29 38.35	59 46.49	+0.42	9.9975164	1177	+19	−4
	14	74	23 26 39.32	353 29 24.84	59 44.33	+0.54	9.9976341	1187	+19	0
	15	75	23 30 35.88	354 29 9.17	59 42.21	+0.64	9.9977528	1197	+17	+4
	16	76	23 34 32.43	355 28 51.38	59 40.13	+0.72	9.9978725	1209	+9	+7
	17	77	23 38 28.98	356 28 31.51	59 38.08	+0.77	9.9979934	1219	0	+9
	18	78	23 42 25.54	357 28 9.59		+0.80	9.9981153		−10	+9

Mittlerer Berliner Mittag.

Monats- und Wochentag		Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
		m s	h m s	m s	° ′ ″	′ ″	s	′ ″
März 17	Di	+8 33.17	23 47 2.15	3 38.94	— 1 24 16.8	23 42.3	128.91	16 4.07
18	Mi	8 15.55	23 50 41.09	3 38.76	1 0 34.5	23 42.4	128.85	16 3.80
19	Do	7 57.76	23 54 19.85	3 38.62	0 36 52.1	23 42.2	128.80	16 3.53
20	Fr	7 39.82	23 57 58.47	3 38.49	— 0 13 9.9	23 41.6	128.76	16 3.26
21	Sa	7 21.76	0 1 36.96	3 38.38	+ 0 10 31.7	23 40.7	128.72	16 2.98
22	So	+7 3.59	0 5 15.34	3 38.30	+ 0 34 12.4	23 39.4	128.69	16 2.70
23	Mo	6 45.34	0 8 53.64	3 38.25	0 57 51.8	23 37.8	128.66	16 2.42
24	Di	6 27.04	0 12 31.89	3 38.21	1 21 29.6	23 35.9	128.64	16 2.14
25	Mi	6 8.70	0 16 10.10	3 38.20	1 45 5.5	23 33.7	128.63	16 1.86
26	Do	5 50.34	0 19 48.30	3 38.20	2 8 39.2	23 31.0	128.62	16 1.57
27	Fr	+5 31.99	0 23 26.50	3 38.23	+ 2 32 10.2	23 28.0	128.62	16 1.29
28	Sa	5 13.67	0 27 4.73	3 38.27	2 55 38.2	23 24.7	128.62	16 1.01
29	So	4 55.39	0 30 43.00	3 38.32	3 19 2.9	23 20.9	128.63	16 0.73
30	Mo	4 37.16	0 34 21.32	3 38.40	3 42 23.8	23 16.9	128.65	16 0.44
31	Di	4 19.00	0 37 59.72	3 38.49	4 5 40.7	23 12.4	128.67	16 0.16
April 1	Mi	+4 0.94	0 41 38.21	3 38.59	+ 4 28 53.1	23 7.6	128.70	15 59.89
2	Do	3 42.98	0 45 16.80	3 38.70	4 52 0.7	23 2.4	128.74	15 59.61
3	Fr	3 25.13	0 48 55.50	3 38.84	5 15 3.1	22 56.8	128.78	15 59.34
4	Sa	3 7.41	0 52 34.34	3 38.99	5 37 59.9	22 50.8	128.82	15 59.06
5	So	2 49.84	0 56 13.33	3 39.15	6 0 50.7	22 44.5	128.87	15 58.79
6	Mo	+2 32.44	0 59 52.48	3 39.34	+ 6 23 35.2	22 37.8	128.93	15 58.52
7	Di	2 15.22	1 3 31.82	3 39.53	6 46 13.0	22 30.8	128.99	15 58.25
8	Mi	1 58.20	1 7 11.35	3 39.75	7 8 43.8	22 23.4	129.06	15 57.98
9	Do	1 41.40	1 10 51.10	3 39.99	7 31 7.2	22 15.7	129.13	15 57.72
10	Fr	1 24.84	1 14 31.09	3 40.25	7 53 22.9	22 7.7	129.21	15 57.45
11	Sa	+1 8.54	1 18 11.34	3 40.52	+ 8 15 30.6	21 59.3	129.29	15 57.18
12	So	0 52.51	1 21 51.86	3 40.80	8 37 29.9	21 50.6	129.38	15 56.92
13	Mo	0 36.76	1 25 32.66	3 41.11	8 59 20.5	21 41.5	129.47	15 56.65
14	Di	0 21.31	1 29 13.77	3 41.44	9 21 2.0	21 32.2	129.57	15 56.38
15	Mi	+0 6.19	1 32 55.21	3 41.79	9 42 34.2	21 22.5	129.67	15 56.12
16	Do	—0 8.58	1 36 37.00	3 42.15	+10 3 56.7	21 12.5	129.77	15 55.85
17	Fr	0 22.98	1 40 19.15	3 42.53	10 25 9.2	21 2.2	129.88	15 55.59
18	Sa	0 37.00	1 44 1.68	3 42.93	10 46 11.4	20 51.6	129.99	15 55.32
19	So	0 50.62	1 47 44.61	3 43.36	11 7 3.0	20 40.7	130.11	15 55.06
20	Mo	1 3.82	1 51 27.97	3 43.79	11 27 43.7	20 29.5	130.23	15 54.79
21	Di	—1 16.58	1 55 11.76	3 44.24	+11 48 13.2	20 17.9	130.36	15 54.52
22	Mi	1 28.89	1 58 56.00	3 44.70	12 8 31.1	20 6.1	130.49	15 54.26
23	Do	1 40.74	2 2 40.70	3 45.19	12 28 37.2	19 53.9	130.62	15 54.00
24	Fr	1 52.11	2 6 25.89	3 45.68	12 48 31.1	19 41.4	130.76	15 53.74
25	Sa	2 2.99	2 10 11.57		13 8 12.5		130.90	15 53.48

Mittlerer Berliner Mittag.

Monats- und	Jahrestag	Sternzeit	Mittleres Äqu. 1908.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0".01 dλ	dε
März 17	77	23h 38m 28.98s	356° 28' 31.51"	59' 38.08"	+0.77"	9.9979934	1219	0	+9
18	78	23 42 25.54	357 28 9.59	59 36.08	+0.80	9.9981153	1230	−10	+9
19	79	23 46 22.09	358 27 45.67	59 34.15	+0.81	9.9982383	1240	−19	+7
20	80	23 50 18.64	359 27 19.82	59 32.26	+0.79	9.9983623	1250	−26	+4
21	81	23 54 15.19	0 26 52.08	59 30.41	+0.74	9.9984873	1258	−27	0
22	82	23 58 11.75	1 26 22.49	59 28.60	+0.66	9.9986131	1265	−24	−4
23	83	0 2 8.30	2 25 51.09	59 26.83	+0.56	9.9987396	1270	−18	−7
24	84	0 6 4.85	3 25 17.92	59 25.09	+0.44	9.9988666	1275	−8	−9
25	85	0 10 1.40	4 24 43.01	59 23.36	+0.32	9.9989941	1277	+2	−9
26	86	0 13 57.96	5 24 6.37	59 21.61	+0.19	9.9991218	1278	+12	−6
27	87	0 17 54.51	6 23 27.98	59 19.84	+0.06	9.9992496	1277	+18	−3
28	88	0 21 51.06	7 22 47.82	59 18.04	−0.06	9.9993773	1273	+21	+1
29	89	0 25 47.61	8 22 5.86	59 16.20	−0.15	9.9995046	1268	+19	+5
30	90	0 29 44.17	9 21 22.06	59 14.28	−0.22	9.9996314	1263	+15	+7
31	91	0 33 40.72	10 20 36.34	59 12.28	−0.26	9.9997577	1257	+7	+9
April 1	92	0 37 37.27	11 19 48.62	59 10.19	−0.27	9.9998834	1250	−1	+8
2	93	0 41 33.82	12 18 58.81	59 8.05	−0.25	0.0000084	1243	−9	+6
3	94	0 45 30.38	13 18 6.86	59 5.87	−0.19	0.0001327	1236	−13	+2
4	95	0 49 26.93	14 17 12.73	59 3.64	−0.11	0.0002563	1230	−13	−1
5	96	0 53 23.48	15 16 16.37	59 1.36	−0.01	0.0003793	1225	−10	−5
6	97	0 57 20.04	16 15 17.73	58 59.07	+0.10	0.0005018	1221	−4	−8
7	98	1 1 16.59	17 14 16.80	58 56.78	+0.22	0.0006239	1217	+4	−9
8	99	1 5 13.14	18 13 13.58	58 54.50	+0.33	0.0007456	1214	+12	−8
9	100	1 9 9.70	19 12 8.08	58 52.23	+0.44	0.0008670	1211	+18	−6
10	101	1 13 6.25	20 11 0.31	58 49.98	+0.55	0.0009881	1209	+20	−2
11	102	1 17 2.80	21 9 50.29	58 47.74	+0.65	0.0011090	1208	+19	+2
12	103	1 20 59.36	22 8 38.03	58 45.54	+0.73	0.0012298	1207	+12	+6
13	104	1 24 55.91	23 7 23.57	58 43.38	+0.79	0.0013505	1207	+4	+8
14	105	1 28 52.46	24 6 6.95	58 41.29	+0.83	0.0014712	1207	−6	+9
15	106	1 32 49.02	25 4 48.24	58 39.25	+0.84	0.0015919	1207	−16	+8
16	107	1 36 45.57	26 3 27.49	58 37.27	+0.81	0.0017126	1207	−24	+5
17	108	1 40 42.12	27 2 4.76	58 35.37	+0.76	0.0018333	1207	−27	+1
18	109	1 44 38.68	28 0 40.13	58 33.55	+0.68	0.0019540	1207	−26	−3
19	110	1 48 35.23	28 59 13.68	58 31.82	+0.58	0.0020747	1205	−20	−6
20	111	1 52 31.78	29 57 45.50	58 30.13	+0.46	0.0021952	1202	−11	−8
21	112	1 56 28.34	30 56 15.63	58 28.49	+0.33	0.0023154	1198	−1	−9
22	113	2 0 24.89	31 54 44.12	58 26.89	+0.19	0.0024352	1192	+8	−7
23	114	2 4 21.45	32 53 11.01	58 25.33	+0.06	0.0025544	1184	+17	−4
24	115	2 8 18.00	33 51 36.34	58 23.77	−0.06	0.0026728	1175	+20	0
25	116	2 12 14.55	34 50 0.11		−0.16	0.0027903		+21	+4

Mittlerer Berliner Mittag.

Monats- und Wochentag		Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
		m s	h m s	m s	° ′ ″	′ ″	s	′ ″
April 24	Fr	−1 52.11	2 6 25.89	3 45.68	+12 48 31.1	19 41.4	130.76	15 53.74
25	Sa	2 2.99	2 10 11.57	3 46.17	13 8 12.5	19 28.6	130.90	15 53.48
26	So	2 13.37	2 13 57.74	3 46.68	13 27 41.1	19 15.5	131.04	15 53.23
27	Mo	2 23.24	2 17 44.42	3 47.20	13 46 56.6	19 2.0	131.18	15 52.98
28	Di	2 32.60	2 21 31.62	3 47.72	14 5 58.6	18 48.1	131.33	15 52.73
29	Mi	−2 41.43	2 25 19.34	3 48.25	+14 24 46.7	18 33.9	131.48	15 52.48
30	Do	2 49.73	2 29 7.59	3 48.78	14 43 20.6	18 19.4	131.63	15 52.24
Mai 1	Fr	2 57.51	2 32 56.37	3 49.31	15 1 40.0	18 4.6	131.78	15 52.00
2	Sa	3 4.76	2 36 45.68	3 49.84	15 19 44.6	17 49.3	131.93	15 51.76
3	So	3 11.47	2 40 35.52	3 50.38	15 37 33.9	17 33.8	132.09	15 51.53
4	Mo	−3 17.64	2 44 25.90	3 50.93	+15 55 7.7	17 17.9	132.25	15 51.31
5	Di	3 23.27	2 48 16.83	3 51.47	16 12 25.6	17 1.7	132.41	15 51.08
6	Mi	3 28.35	2 52 8.30	3 52.02	16 29 27.3	16 45.2	132.57	15 50.86
7	Do	3 32.89	2 56 0.32	3 52.57	16 46 12.5	16 28.4	132.74	15 50.64
8	Fr	3 36.88	2 59 52.89	3 53.13	17 2 40.9	16 11.3	132.90	15 50.43
9	Sa	−3 40.30	3 3 46.02	3 53.68	+17 18 52.2	15 53.9	133.07	15 50.21
10	So	3 43.17	3 7 39.70	3 54.24	17 34 46.1	15 36.1	133.24	15 50.00
11	Mo	3 45.49	3 11 33.94	3 54.80	17 50 22.2	15 18.2	133.40	15 49.80
12	Di	3 47.25	3 15 28.74	3 55.36	18 5 40.4	14 59.9	133.57	15 49.59
13	Mi	3 48.44	3 19 24.10	3 55.92	18 20 40.3	14 41.4	133.73	15 49.39
14	Do	−3 49.08	3 23 20.02	3 56.48	+18 35 21.7	14 22.5	133.90	15 49.19
15	Fr	3 49.16	3 27 16.50	3 57.05	18 49 44.2	14 3.5	134.06	15 48.99
16	Sa	3 48.67	3 31 13.55	3 57.62	19 3 47.7	13 44.2	134.22	15 48.79
17	So	3 47.60	3 35 11.17	3 58.19	19 17 31.9	13 24.6	134.38	15 48.60
18	Mo	3 45.96	3 39 9.36	3 58.76	19 30 56.5	13 4.7	134.54	15 48.41
19	Di	−3 43.76	3 43 8.12	3 59.32	+19 44 1.2	12 44.6	134.69	15 48.22
20	Mi	3 41.00	3 47 7.44	3 59.88	19 56 45.8	12 24.4	134.85	15 48.03
21	Do	3 37.67	3 51 7.32	4 0.44	20 9 10.2	12 3.9	135.00	15 47.84
22	Fr	3 33.79	3 55 7.76	4 0.99	20 21 14.1	11 43.1	135.15	15 47.66
23	Sa	3 29.36	3 59 8.75	4 1.53	20 32 57.2	11 22.0	135.30	15 47.48
24	So	−3 24.38	4 3 10.28	4 2.06	+20 44 19.2	11 0.7	135.44	15 47.30
25	Mo	3 18.87	4 7 12.34	4 2.58	20 55 19.9	10 39.2	135.58	15 47.13
26	Di	3 12.85	4 11 14.92	4 3.08	21 5 59.1	10 17.5	135.72	15 46.96
27	Mi	3 6.33	4 15 18.00	4 3.57	21 16 16.6	9 55.6	135.85	15 46.80
28	Do	2 59.32	4 19 21.57	4 4.04	21 26 12.2	9 33.3	135.98	15 46.64
29	Fr	−2 51.84	4 23 25.61	4 4.49	+21 35 45.5	9 10.9	136.11	15 46.49
30	Sa	2 43.91	4 27 30.10	4 4.92	21 44 56.4	8 48.2	136.23	15 46.34
31	So	2 35.54	4 31 35.02	4 5.34	21 53 44.6	8 25.4	136.35	15 46.20
Juni 1	Mo	2 26.76	4 35 40.36	4 5.74	22 2 10.0	8 2.4	136.47	15 46.06
2	Di	2 17.58	4 39 46.10		22 10 12.4		136.58	15 45.93

Mittlerer Berliner Mittag.

Monats- und Jahrestag			Sternzeit	Mittleres Äqu. 1908.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0".01 $d\lambda$	$d\varepsilon$
April	24	115	2ʰ 8ᵐ 18ˢ.00	33° 51′ 36″.34	58′ 23″.77	−0″.06	0.0026728	1175	+20	0
	25	116	2 12 14.55	34 50 0.11	58 22.22	−0.16	0.0027903	1164	+21	+4
	26	117	2 16 11.11	35 48 22.33	58 20.66	−0.24	0.0029067	1151	+16	+7
	27	118	2 20 7.66	36 46 42.99	58 19.06	−0.29	0.0030218	1137	+ 9	+9
	28	119	2 24 4.22	37 45 2.05	58 17.42	−0.30	0.0031355	1121	+ 1	+9
	29	120	2 28 0.77	38 43 19.47	58 15.71	−0.27	0.0032476	1105	− 7	+7
	30	121	2 31 57.33	39 41 35.18	58 13.95	−0.21	0.0033581	1089	−12	+4
Mai	1	122	2 35 53.88	40 39 49.13	58 12.16	−0.14	0.0034670	1072	−13	0
	2	123	2 39 50.44	41 38 1.29	58 10.33	−0.05	0.0035742	1056	−11	−4
	3	124	2 43 46.99	42 36 11.62	58 8.46	+0.06	0.0036798	1040	− 6	−7
	4	125	2 47 43.55	43 34 20.08	58 6.56	+0.18	0.0037838	1025	+ 2	−9
	5	126	2 51 40.10	44 32 26.64	58 4.67	+0.30	0.0038863	1010	+10	−8
	6	127	2 55 36.66	45 30 31.31	58 2.78	+0.43	0.0039873	996	+17	−6
	7	128	2 59 33.21	46 28 34.09	58 0.91	+0.55	0.0040869	983	+20	−3
	8	129	3 3 29.77	47 26 35.00	57 59.05	+0.64	0.0041852	970	+20	+1
	9	130	3 7 26.32	48 24 34.05	57 57.21	+0.72	0.0042822	958	+15	+5
	10	131	3 11 22.88	49 22 31.26	57 55.39	+0.78	0.0043780	947	+ 8	+8
	11	132	3 15 19.43	50 20 26.65	57 53.61	+0.82	0.0044727	937	− 3	+9
	12	133	3 19 15.99	51 18 20.26	57 51.89	+0.82	0.0045664	927	−13	+8
	13	134	3 23 12.54	52 16 12.15	57 50.24	+0.80	0.0046591	918	−21	+6
	14	135	3 27 9.10	53 14 2.39	57 48.65	+0.75	0.0047509	910	−27	+2
	15	136	3 31 5.66	54 11 51.04	57 47.14	+0.67	0.0048419	901	−27	−2
	16	137	3 35 2.21	55 9 38.18	57 45.73	+0.57	0.0049320	893	−22	−5
	17	138	3 38 58.77	56 7 23.91	57 44.43	+0.45	0.0050213	884	−15	−8
	18	139	3 42 55.32	57 5 8.34	57 43.21	+0.32	0.0051097	875	− 5	−9
	19	140	3 46 51.88	58 2 51.55	57 42.08	+0.18	0.0051972	864	+ 5	−8
	20	141	3 50 48.44	59 0 33.63	57 41.01	+0.04	0.0052836	852	+14	−5
	21	142	3 54 44.99	59 58 14.64	57 39.99	−0.09	0.0053688	839	+19	−2
	22	143	3 58 41.55	60 55 54.63	57 39.01	−0.20	0.0054527	823	+21	+2
	23	144	4 2 38.10	61 53 33.64	57 38.06	−0.29	0.0055350	807	+17	+6
	24	145	4 6 34.66	62 51 11.70	57 37.13	−0.35	0.0056157	789	+12	+8
	25	146	4 10 31.21	63 48 48.83	57 36.19	−0.37	0.0056946	768	+ 4	+9
	26	147	4 14 27.77	64 46 25.02	57 35.23	−0.35	0.0057714	747	− 4	+8
	27	148	4 18 24.33	65 44 0.25	57 34.26	−0.31	0.0058461	725	−11	+5
	28	149	4 22 20.89	66 41 34.51	57 33.24	−0.25	0.0059186	703	−13	+1
	29	150	4 26 17.45	67 39 7.75	57 32.19	−0.16	0.0059889	679	−12	−3
	30	151	4 30 14.00	68 36 39.94	57 31.10	−0.04	0.0060568	656	− 8	−6
	31	152	4 34 10.56	69 34 11.04	57 29.99	+0.09	0.0061224	633	0	−8
Juni	1	153	4 38 7.12	70 31 41.03	57 28.87	+0.22	0.0061857	610	+ 8	−9
	2	154	4 42 3.68	71 29 9.90		+0.34	0.0062467		+15	−7

Mittlerer Berliner Mittag.

Monats- und Wochentag			Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
			m s	h m s	m s	° ′ ″	′ ″	s	′ ″
Juni	1	Mo	—2 26.76	4 35 40.36	4 5.74	+22 2 10.0	8 2.4	136.47	15 46.06
	2	Di	2 17.58	4 39 46.10	4 6.11	22 10 12.4	7 39.2	136.58	15 45.93
	3	Mi	2 8.02	4 43 52.21	4 6.47	22 17 51.6	7 15.8	136.69	15 45.80
	4	Do	1 58.11	4 47 58.68	4 6.81	22 25 7.4	6 52.2	136.79	15 45.67
	5	Fr	1 47.86	4 52 5.49	4 7.12	22 31 59.6	6 28.5	136.89	15 45.55
	6	Sa	—1 37.29	4 56 12.61	4 7.42	+22 38 28.1	6 4.6	136.98	15 45.44
	7	So	1 26.43	5 0 20.03	4 7.69	22 44 32.7	5 40.7	137.07	15 45.33
	8	Mo	1 15.30	5 4 27.72	4 7.95	22 50 13.4	5 16.6	137.15	15 45.23
	9	Di	1 3.91	5 8 35.67	4 8.19	22 55 30.0	4 52.4	137.22	15 45.12
	10	Mi	0 52.28	5 12 43.86	4 8.41	23 0 22.4	4 28.1	137.29	15 45.02
	11	Do	—0 40.43	5 16 52.27	4 8.60	+23 4 50.5	4 3.8	137.35	15 44.93
	12	Fr	0 28.38	5 21 0.87	4 8.78	23 8 54.3	3 39.3	137.41	15 44.84
	13	Sa	0 16.16	5 25 9.65	4 8.94	23 12 33.6	3 14.7	137.46	15 44.75
	14	So	—0 3.78	5 29 18.59	4 9.09	23 15 48.3	2 50.1	137.50	15 44.66
	15	Mo	+0 8.75	5 33 27.68	4 9.21	23 18 38.4	2 25.5	137.54	15 44.58
	16	Di	+0 21.41	5 37 36.89	4 9.33	+23 21 3.9	2 0.8	137.57	15 44.50
	17	Mi	0 34.18	5 41 46.22	4 9.42	23 23 4.7	1 36.2	137.59	15 44.42
	18	Do	0 47.04	5 45 55.64	4 9.48	23 24 40.9	1 11.5	137.61	15 44.35
	19	Fr	0 59.97	5 50 5.12	4 9.53	23 25 52.4	0 46.6	137.62	15 44.28
	20	Sa	1 12.94	5 54 14.65	4 9.56	23 26 39.0	0 21.9	137.62	15 44.21
	21	So	+1 25.94	5 58 24.21	4 9.57	+23 27 0.9	0 2.9	137.62	15 44.15
	22	Mo	1 38.95	6 2 33.78	4 9.54	23 26 58.0	0 27.6	137.61	15 44.09
	23	Di	1 51.94	6 6 43.32	4 9.50	23 26 30.4	0 52.4	137.59	15 44.03
	24	Mi	2 4.88	6 10 52.82	4 9.42	23 25 38.0	1 17.2	137.57	15 43.98
	25	Do	2 17.74	6 15 2.24	4 9.32	23 24 20.8	1 41.8	137.54	15 43.94
	26	Fr	+2 30.50	6 19 11.56	4 9.20	+23 22 39.0	2 6.5	137.50	15 43.90
	27	Sa	2 43.14	6 23 20.76	4 9.04	23 20 32.5	2 31.1	137.46	15 43.87
	28	So	2 55.62	6 27 29.80	4 8.85	23 18 1.4	2 55.7	137.41	15 43.85
	29	Mo	3 7.92	6 31 38.65	4 8.65	23 15 5.7	3 20.2	137.36	15 43.83
	30	Di	3 20.01	6 35 47.30	4 8.42	23 11 45.5	3 44.6	137.30	15 43.81
Juli	1	Mi	+3 31.87	6 39 55.72	4 8.16	+23 8 0.9	4 8.8	137.23	15 43.80
	2	Do	3 43.48	6 44 3.88	4 7.88	23 3 52.1	4 33.0	137.16	15 43.79
	3	Fr	3 54.80	6 48 11.76	4 7.57	22 59 19.1	4 57.1	137.08	15 43.80
	4	Sa	4 5.81	6 52 19.33	4 7.24	22 54 22.0	5 21.1	137.00	15 43.80
	5	So	4 16.49	6 56 26.57	4 6.89	22 49 0.9	5 44.8	136.91	15 43.81
	6	Mo	+4 26.83	7 0 33.46	4 6.52	+22 43 16.1	6 8.5	136.82	15 43.83
	7	Di	4 36.79	7 4 39.98	4 6.13	22 37 7.6	6 32.0	136.72	15 43.85
	8	Mi	4 46.36	7 8 46.11	4 5.72	22 30 35.6	6 55.4	136.62	15 43.87
	9	Do	4 55.52	7 12 51.83	4 5.30	22 23 40.2	7 18.6	136.51	15 43.90
	10	Fr	5 4.26	7 16 57.13		22 16 21.6		136.39	15 43.93

Mittlerer Berliner Mittag.

Monats- und Jahrestag		Sternzeit	Mittleres Äqu. 1908.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0".01 $d\lambda$	$d\varepsilon$
		h m s	° ' "	' "	"				
Juni 1	153	4 38 7.12	70 31 41.03	57 28.87	+0.22	0.0061857	610	+ 8	−9
2	154	4 42 3.68	71 29 9.90	57 27.73	+0.34	0.0062467	588	+15	−7
3	155	4 46 0.23	72 26 37.63	57 26.58	+0.45	0.0063055	566	+20	−4
4	156	4 49 56.79	73 24 4.21	57 25.44	+0.56	0.0063621	546	+20	0
5	157	4 53 53.35	74 21 29.65	57 24.31	+0.65	0.0064167	525	+18	+4
6	158	4 57 49.91	75 18 53.96	57 23.19	+0.71	0.0064692	506	+10	+7
7	159	5 1 46.46	76 16 17.15	57 22.09	+0.74	0.0065198	487	+ 1	+9
8	160	5 5 43.02	77 13 39.24	57 21.03	+0.75	0.0065685	470	− 9	+9
9	161	5 9 39.58	78 11 0.27	57 20.02	+0.73	0.0066155	453	−19	+7
10	162	5 13 36.13	79 8 20.29	57 19.04	+0.69	0.0066608	437	−26	+4
11	163	5 17 32.69	80 5 39.33	57 18.14	+0.62	0.0067045	423	−27	0
12	164	5 21 29.25	81 2 57.47	57 17.31	+0.53	0.0067468	409	−25	−4
13	165	5 25 25.81	82 0 14.78	57 16.59	+0.41	0.0067877	396	−18	−7
14	166	5 29 22.36	82 57 31.37	57 15.97	+0.27	0.0068273	383	− 8	−9
15	167	5 33 18.92	83 54 47.34	57 15.46	+0.12	0.0068656	370	+ 2	−8
16	168	5 37 15.48	84 52 2.80	57 15.05	−0.02	0.0069026	356	+11	−6
17	169	5 41 12.04	85 49 17.85	57 14.73	−0.15	0.0069382	341	+17	−3
18	170	5 45 8.60	86 46 32.58	57 14.50	−0.27	0.0069723	325	+20	+1
19	171	5 49 5.15	87 43 47.08	57 14.32	−0.37	0.0070048	308	+18	+5
20	172	5 53 1.71	88 41 1.40	57 14.19	−0.44	0.0070356	289	+13	+8
21	173	5 56 58.27	89 38 15.59	57 14.10	−0.48	0.0070645	268	+ 6	+9
22	174	6 0 54.83	90 35 29.69	57 14.04	−0.49	0.0070913	247	− 3	+8
23	175	6 4 51.39	91 32 43.73	57 13.97	−0.47	0.0071160	224	− 9	+6
24	176	6 8 47.94	92 29 57.70	57 13.88	−0.41	0.0071384	199	−13	+2
25	177	6 12 44.50	93 27 11.58	57 13.78	−0.32	0.0071583	174	−13	−2
26	178	6 16 41.06	94 24 25.36	57 13.67	−0.21	0.0071757	149	− 9	−5
27	179	6 20 37.62	95 21 39.03	57 13.54	−0.09	0.0071906	123	− 3	−8
28	180	6 24 34.17	96 18 52.57	57 13.38	+0.03	0.0072029	97	+ 5	−9
29	181	6 28 30.73	97 16 5.95	57 13.20	+0.16	0.0072126	71	+13	−8
30	182	6 32 27.29	98 13 19.15	57 13.01	+0.28	0.0072197	45	+19	−5
Juli 1	183	6 36 23.85	99 10 32.16	57 12.79	+0.39	0.0072242	20	+21	−2
2	184	6 40 20.40	100 7 44.95	57 12.57	+0.48	0.0072262	— 4	+20	+2
3	185	6 44 16.96	101 4 57.52	57 12.36	+0.56	0.0072258	28	+13	+6
4	186	6 48 13.52	102 2 9.88	57 12.17	+0.61	0.0072230	51	+ 5	+8
5	187	6 52 10.08	102 59 22.05	57 11.98	+0.63	0.0072179	73	− 6	+9
6	188	6 56 6.63	103 56 34.03	57 11.80	+0.62	0.0072106	94	−16	+8
7	189	7 0 3.19	104 53 45.83	57 11.64	+0.58	0.0072012	113	−23	+5
8	190	7 3 59.75	105 50 57.47	57 11.51	+0.52	0.0071899	132	−27	+1
9	191	7 7 56.31	106 48 8.98	57 11.44	+0.43	0.0071767	149	−26	−3
10	192	7 11 52.87	107 45 20.42		+0.31	0.0071618		−20	−6

Mittlerer Berliner Mittag.

Monats- und Wochentag			Zeitgleichung M. Zt. — W. Zt	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
			m s	h m s	m s	° ′ ″	′ ″	s	′ ″
Juli	9	Do	+4 55.52	7 12 51.83	4 5.30	+22 23 40.2	7 18.6	136.51	15 43.90
	10	Fr	5 4.26	7 16 57.13	4 4.87	22 16 21.6	7 41.5	136.39	15 43.93
	11	Sa	5 12.57	7 21 2.00	4 4.41	22 8 40.1	8 4.4	136.27	15 43.97
	12	So	5 20.43	7 25 6.41	4 3.95	22 0 35.7	8 27.0	136.15	15 44.01
	13	Mo	5 27.82	7 29 10.36	4 3.47	21 52 8.7	8 49.4	136.02	15 44.05
	14	Di	+5 34.74	7 33 13.83	4 3.00	+21 43 19.3	9 11.7	135.88	15 44.10
	15	Mi	5 41.18	7 37 16.83	4 2.51	21 34 7.6	9 33.7	135.74	15 44.15
	16	Do	5 47.13	7 41 19.34	4 2.01	21 24 33.9	9 55.5	135.60	15 44.20
	17	Fr	5 52.59	7 45 21.35	4 1.51	21 14 38.4	10 17.1	135.45	15 44.25
	18	Sa	5 57.55	7 49 22.86	4 1.00	21 4 21.3	10 38.6	135.30	15 44.31
	19	So	+6 1.99	7 53 23.86	4 0.48	+20 53 42.7	10 59.7	135.15	15 44.37
	20	Mo	6 5.91	7 57 24.34	3 59.94	20 42 43.0	11 20.7	135.00	15 44.44
	21	Di	6 9.29	8 1 24.28	3 59.40	20 31 22.3	11 41.4	134.84	15 44.51
	22	Mi	6 12.13	8 5 23.68	3 58.85	20 19 40.9	12 1.9	134.68	15 44.58
	23	Do	6 14.43	8 9 22.53	3 58.30	20 7 39.0	12 22.1	134.52	15 44.66
	24	Fr	+6 16.17	8 13 20.83	3 57.72	+19 55 16.9	12 42.1	134.35	15 44.74
	25	Sa	6 17.34	8 17 18.55	3 57.14	19 42 34.8	13 1.8	134.19	15 44.83
	26	So	6 17.92	8 21 15.69	3 56.55	19 29 33.0	13 21.3	134.02	15 44.93
	27	Mo	6 17.92	8 25 12.24	3 55.96	19 16 11.7	13 40.4	133.85	15 45.03
	28	Di	6 17.32	8 29 8.20	3 55.36	19 2 31.3	13 59.3	133.68	15 45.13
	29	Mi	+6 16.12	8 33 3.56	3 54.75	+18 48 32.0	14 17.9	133.51	15 45.24
	30	Do	6 14.31	8 36 58.31	3 54.14	18 34 14.1	14 36.2	133.33	15 45.36
	31	Fr	6 11.89	8 40 52.45	3 53.52	18 19 37.9	14 54.2	133.16	15 45.48
Aug.	1	Sa	6 8.86	8 44 45.97	3 52.90	18 4 43.7	15 11.9	132.99	15 45.60
	2	So	6 5.21	8 48 38.87	3 52.28	17 49 31.8	15 29.3	132.82	15 45.73
	3	Mo	+6 0.94	8 52 31.15	3 51.67	+17 34 2.5	15 46.5	132.64	15 45.87
	4	Di	5 56.05	8 56 22.82	3 51.04	17 18 16.0	16 3.2	132.47	15 46.01
	5	Mi	5 50.54	9 0 13.86	3 50.43	17 2 12.8	16 19.7	132.30	15 46.15
	6	Do	5 44.41	9 4 4.29	3 49.81	16 45 53.1	16 36.0	132.13	15 46.30
	7	Fr	5 37.66	9 7 54.10	3 49.20	16 29 17.1	16 51.9	131.96	15 46.45
	8	Sa	+5 30.30	9 11 43.30	3 48.60	+16 12 25.2	17 7.4	131.79	15 46.61
	9	So	5 22.34	9 15 31.90	3 48.01	15 55 17.8	17 22.6	131.62	15 46.76
	10	Mo	5 13.80	9 19 19.91	3 47.44	15 37 55.2	17 37.6	131.45	15 46.92
	11	Di	5 4.68	9 23 7.35	3 46.86	15 20 17.6	17 52.4	131.29	15 47.09
	12	Mi	4 54.99	9 26 54.21	3 46.30	15 2 25.2	18 6.8	131.12	15 47.25
	13	Do	+4 44.74	9 30 40.51	3 45.76	+14 44 18.4	18 20.8	130.96	15 47.42
	14	Fr	4 33.94	9 34 26.27	3 45.23	14 25 57.6	18 34.6	130.80	15 47.59
	15	Sa	4 22.62	9 38 11.50	3 44.72	14 7 23.0	18 48.2	130.65	15 47.76
	16	So	4 10.79	9 41 56.22	3 44.21	13 48 34.8	19 1.4	130.49	15 47.93
	17	Mo	3 58.45	9 45 40.43		13 29 33.4		130.34	15 48.11

Mittlerer Berliner Mittag.

Monats- und Jahrestag			Sternzeit h m s	Mittleres Äqu. 1908.0 Länge ° ′ ″	Diff. ′ ″	Breite ″	Lg. Rad. v.	Diff.	Nut. in 0″.01 dλ	dε
Juli	9	191	7 7 56.31	106 48 8.98	57 11.44	+0.43	0.0071767	149	−26	−3
	10	192	7 11 52.87	107 45 20.42	57 11.45	+0.31	0.0071618	166	−20	−6
	11	193	7 15 49.42	108 42 31.87	57 11.54	+0.18	0.0071452	181	−12	−8
	12	194	7 19 45.98	109 39 43.41	57 11.71	+0.04	0.0071271	195	− 2	−9
	13	195	7 23 42.54	110 36 55.12	57 11.98	−0.10	0.0071076	208	+ 8	−7
	14	196	7 27 39.09	111 34 7.10	57 12.37	−0.24	0.0070868	222	+16	−4
	15	197	7 31 35.65	112 31 19.47	57 12.87	−0.36	0.0070646	236	+19	0
	16	198	7 35 32.21	113 28 32.34	57 13.48	−0.46	0.0070410	250	+20	+4
	17	199	7 39 28.76	114 25 45.82	57 14.16	−0.53	0.0070160	265	+15	+7
	18	200	7 43 25.32	115 22 59.98	57 14.92	−0.57	0.0069895	283	+ 8	+9
	19	201	7 47 21.88	116 20 14.90	57 15.74	−0.58	0.0069612	301	0	+9
	20	202	7 51 18.43	117 17 30.64	57 16.58	−0.56	0.0069311	321	− 7	+7
	21	203	7 55 14.99	11 14 47.22	57 17.43	−0.51	0.0068990	342	−13	+4
	22	204	7 59 11.55	119 12 4.65	57 18.29	−0.43	0.0068648	364	−13	0
	23	205	8 3 8.10	120 9 22.94	57 19.15	−0.33	0.0068284	387	−11	−4
	24	206	8 7 4.66	121 6 42.09	57 20.01	−0.21	0.0067897	410	− 6	−7
	25	207	8 11 1.21	122 4 2.10	57 20.84	−0.08	0.0067487	434	+ 3	−9
	26	208	8 14 57.77	123 1 22.94	57 21.62	+0.04	0.0067053	459	+11	−8
	27	209	8 18 54.33	123 58 44.56	57 22.43	+0.16	0.0066594	483	+17	−6
	28	210	8 22 50.88	124 56 6.99	57 23.20	+0.28	0.0066111	507	+21	−3
	29	211	8 26 47.44	125 53 30.19	57 23.96	+0.38	0.0065604	531	+21	+1
	30	212	8 30 44.00	126 50 54.15	57 24.70	+0.47	0.0065073	555	+16	+5
	31	213	8 34 40.55	127 48 18.85	57 25.44	+0.53	0.0064518	577	+ 8	+8
Aug.	1	214	8 38 37.11	128 45 44.29	57 26.16	+0.56	0.0063941	600	− 3	+9
	2	215	8 42 33.66	129 43 10.45	57 26.87	+0.57	0.0063341	621	−13	+8
	3	216	8 46 30.22	130 40 37.32	57 27.58	+0.54	0.0062720	641	−21	+6
	4	217	8 50 26.77	131 38 4.90	57 28.30	+0.49	0.0062079	660	−26	+2
	5	218	8 54 23.33	132 35 33.20	57 29.04	+0.42	0.0061419	678	−27	−2
	6	219	8 58 19.88	133 33 2.24	57 29.80	+0.32	0.0060741	694	−23	−5
	7	220	9 2 16.44	134 30 32.04	57 30.60	+0.19	0.0060047	708	−15	−8
	8	221	9 6 13.00	135 28 2.64	57 31.45	+0.05	0.0059339	721	− 5	−9
	9	222	9 10 9.55	136 25 34.09	57 32.39	−0.08	0.0058618	734	+ 5	−8
	10	223	9 14 6.11	137 23 6.48	57 33.41	−0.21	0.0057884	745	+13	−5
	11	224	9 18 2.66	138 20 39.89	57 34.53	−0.33	0.0057139	755	+18	−2
	12	225	9 21 59.22	139 18 14.42	57 35.76	−0.44	0.0056384	764	+20	+2
	13	226	9 25 55.77	140 15 50.18	57 37.10	−0.52	0.0055620	773	+16	+6
	14	227	9 29 52.33	141 13 27.28	57 38.53	−0.57	0.0054847	784	+10	+8
	15	228	9 33 48.88	142 11 5.81	57 40.06	−0.58	0.0054063	795	+ 2	+9
	16	229	9 37 45.43	143 8 45.87	57 41.65	−0.56	0.0053268	807	− 6	+8
	17	230	9 41 41.99	144 6 27.52		−0.51	0.0052461		−11	+5

Mittlerer Berliner Mittag.

Monats- und Wochentag		Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
		m s	h m s	m s	° ' "	' "	s	' "
Aug. 16	So	+4 10.79	9 41 56.22	3 44.21	+13 48 34.8	19 1.4	130.49	15 47.93
17	Mo	3 58.45	9 45 40.43	3 43.72	13 29 33.4	19 14.4	130.34	15 48.11
18	Di	3 45.61	9 49 24.15	3 43.24	13 10 19.0	19 27.0	130.19	15 48.29
19	Mi	3 32.29	9 53 7.39	3 42.77	12 50 52.0	19 39.3	130.04	15 48.47
20	Do	3 18.51	9 56 50.16	3 42.31	12 31 12.7	19 51.3	129.90	15 48.66
21	Fr	+3 4.27	10 0 32.47	3 41.86	+12 11 21.4	20 2.9	129.76	15 48.85
22	Sa	2 49.58	10 4 14.33	3 41.42	11 51 18.5	20 14.3	129.62	15 49.04
23	So	2 34.44	10 7 55.75	3 40.99	11 31 4.2	20 25.3	129.49	15 49.24
24	Mo	2 18.87	10 11 36.74	3 40.57	11 10 38.9	20 36.1	129.36	15 49.44
25	Di	2 2.89	10 15 17.31	3 40.17	10 50 2.8	20 46.4	129.24	15 49.64
26	Mi	+1 46.50	10 18 57.48	3 39.77	+10 29 16.4	20 56.4	129.12	15 49.85
27	Do	1 29.72	10 22 37.25	3 39.39	10 8 20.0	21 6.2	129.01	15 50.06
28	Fr	1 12.56	10 26 16.64	3 39.02	9 47 13.8	21 15.5	128.90	15 50.28
29	Sa	0 55.02	10 29 55.66	3 38.66	9 25 58.3	21 24.5	128.79	15 50.50
30	So	0 37.13	10 33 34.32	3 38.31	9 4 33.8	21 33.2	128.69	15 50.73
31	Mo	+0 18.89	10 37 12.63	3 37.99	+ 8 43 0.6	21 41.6	128.60	15 50.96
Sept. 1	Di	+0 0.32	10 40 50.62	3 37.67	8 21 19.0	21 49.5	128.51	15 51.19
2	Mi	−0 18.56	10 44 28.29	3 37.36	7 59 29.5	21 57.2	128.42	15 51.43
3	Do	0 37.75	10 48 5.65	3 37.08	7 37 32.3	22 4.5	128.34	15 51.67
4	Fr	0 57.23	10 51 42.73	3 36.82	7 15 27.8	22 11.5	128.27	15 51.91
5	Sa	−1 16.97	10 55 19.55	3 36.57	+ 6 53 16.3	22 18.2	128.20	15 52.15
6	So	1 36.95	10 58 56.12	3 36.34	6 30 58.1	22 24.5	128.13	15 52.39
7	Mo	1 57.16	11 2 32.46	3 36.13	6 8 33.6	22 30.5	128.07	15 52.64
8	Di	2 17.58	11 6 8.59	3 35.95	5 46 3.1	22 36.2	128.02	15 52.89
9	Mi	2 38.19	11 9 44.54	3 35.79	5 23 26.9	22 41.6	127.97	15 53.14
10	Do	−2 58.95	11 13 20.33	3 35.65	+ 5 0 45.3	22 46.8	127.92	15 53.39
11	Fr	3 19.85	11 16 55.98	3 35.54	4 37 58.5	22 51.5	127.88	15 53.64
12	Sa	3 40.86	11 20 31.52	3 35.44	4 15 7.0	22 56.0	127.85	15 53.89
13	So	4 1.97	11 24 6.96	3 35.38	3 52 11.0	23 0.2	127.83	15 54.14
14	Mo	4 23.14	11 27 42.34	3 35.34	3 29 10.8	23 4.1	127.81	15 54.39
15	Di	−4 44.36	11 31 17.68	3 35.32	+ 3 6 6.7	23 7.7	127.79	15 54.64
16	Mi	5 5.60	11 34 53.00	3 35.31	2 42 59.0	23 10.9	127.78	15 54.90
17	Do	5 26.84	11 38 28.31	3 35.32	2 19 48.1	23 13.9	127.78	15 55.15
18	Fr	5 48.06	11 42 3.63	3 35.37	1 56 34.2	23 16.5	127.78	15 55.41
19	Sa	6 9.25	11 45 39.00	3 35.42	1 33 17.7	23 18.7	127.79	15 55.67
20	So	−6 30.38	11 49 14.42	3 35.49	+ 1 9 59.0	23 20.6	127.80	15 55.93
21	Mo	6 51.44	11 52 49.91	3 35.59	0 46 38.4	23 22.2	127.82	15 56.19
22	Di	7 12.41	11 56 25.50	3 35.69	+ 0 23 16.2	23 23.4	127.85	15 56.45
23	Mi	7 33.27	12 0 1.19	3 35.82	− 0 0 7.2	23 24.2	127.88	15 56.72
24	Do	7 54.00	12 3 37.01		0 23 31.4		127.92	15 56.99

Mittlerer Berliner Mittag.

Monats- und Jahrestag		Sternzeit	Mittleres Äqu. 1908.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0″.01 $d\lambda$	$d\varepsilon$
		h m s	° ′ ″	′ ″	″				
Aug. 16	229	9 37 45.43	143 8 45.87	57 41.65	−0.56	0.0053268	807	− 6	+8
17	230	9 41 41.99	144 6 27.52	57 43.28	−0.51	0.0052461	821	−11	+5
18	231	9 45 38.54	145 4 10.80	57 44.94	−0.44	0.0051640	835	−13	+1
19	232	9 49 35.10	146 1 55.74	57 46.61	−0.34	0.0050805	851	−12	−3
20	233	9 53 31.65	146 59 42.35	57 48.29	−0.22	0.0049954	867	− 7	−6
21	234	9 57 28.21	147 57 30.64	57 49.97	−0.10	0.0049087	885	0	−8
22	235	10 1 24.76	148 55 20.61	57 51.62	+0.03	0.0048202	902	+ 8	−9
23	236	10 5 21.31	149 53 12.23	57 53.27	+0.16	0.0047300	921	+16	−7
24	237	10 9 17.87	150 51 5.50	57 54.90	+0.28	0.0046379	940	+21	−4
25	238	10 13 14.42	151 49 0.40	57 56.49	+0.39	0.0045439	958	+21	0
26	239	10 17 10.98	152 46 56.89	57 58.06	+0.48	0.0044481	976	+19	+4
27	240	10 21 7.53	153 44 54.95	57 59.61	+0.54	0.0043505	994	+11	+7
28	241	10 25 4.08	154 42 54.56	58 1.14	+0.58	0.0042511	1012	+ 1	+9
29	242	10 29 0.64	155 40 55.70	58 2.64	+0.59	0.0041499	1030	− 9	+9
30	243	10 32 57.19	156 38 58.34	58 4.12	+0.57	0.0040469	1046	−18	+7
31	244	10 36 53.74	157 37 2.46	58 5.56	+0.53	0.0039423	1062	−25	+4
Sept. 1	245	10 40 50.30	158 35 8.02	58 6.99	+0.46	0.0038361	1076	−27	0
2	246	10 44 46.85	159 33 15.01	58 8.41	+0.37	0.0037285	1089	−25	−4
3	247	10 48 43.40	160 31 23.42	58 9.83	+0.26	0.0036196	1100	−18	−7
4	248	10 52 39.96	161 29 33.25	58 11.27	+0.14	0.0035096	1110	− 9	−9
5	249	10 56 36.51	162 27 44.52	58 12.73	+0.01	0.0033986	1118	+ 1	−8
6	250	11 0 33.06	163 25 57.25	58 14.22	−0.12	0.0032868	1125	+10	−6
7	251	11 4 29.62	164 24 11.47	58 15.78	−0.24	0.0031743	1130	+16	−3
8	252	11 8 26.17	165 22 27.25	58 17.42	−0.34	0.0030613	1134	+19	+1
9	253	11 12 22.72	166 20 44.67	58 19.15	−0.42	0.0029479	1136	+17	+5
10	254	11 16 19.28	167 19 3.82	58 20.97	−0.48	0.0028343	1138	+12	+8
11	255	11 20 15.83	168 17 24.79	58 22.89	−0.51	0.0027205	1139	+ 4	+9
12	256	11 24 12.38	169 15 47.68	58 24.90	−0.50	0.0026066	1142	− 3	+8
13	257	11 28 8.93	170 14 12.58	58 26.99	−0.46	0.0024924	1145	− 9	+6
14	258	11 32 5.49	171 12 39.57	58 29.13	−0.38	0.0023779	1149	−14	+2
15	259	11 36 2.04	172 11 8.70	58 31.30	−0.28	0.0022630	1153	−13	−2
16	260	11 39 58.59	173 9 40.00	58 33.49	−0.16	0.0021477	1159	− 9	−6
17	261	11 43 55.15	174 8 13.49	58 35.70	−0.04	0.0020318	1166	− 3	−8
18	262	11 47 51.70	175 6 49.19	58 37.92	+0.08	0.0019152	1173	+ 6	−9
19	263	11 51 48.25	176 5 27.11	58 40.12	+0.20	0.0017979	1181	+14	−8
20	264	11 55 44.80	177 4 7.23	58 42.28	+0.32	0.0016798	1190	+20	−5
21	265	11 59 41.36	178 2 49.51	58 44.42	+0.43	0.0015608	1199	+22	−1
22	266	12 3 37.91	179 1 33.93	58 46.54	+0.52	0.0014409	1208	+21	+2
23	267	12 7 34.46	180 0 20.47	58 48.64	+0.59	0.0013201	1217	+14	+6
24	268	12 11 31.01	180 59 9.11		+0.63	0.0011984		+ 5	+8

Mittlerer Berliner Mittag.

Monats- und Wochentag			Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
			m s	h m s	m s	° ′ ″	′ ″	s	′ ″
Sept.	23	Mi	— 7 33.27	12 0 1.19	3 35.82	— 0 0 7.2	23 24.2	127.88	15 56.72
	24	Do	7 54.00	12 3 37.01	3 35.97	0 23 31.4	23 24.7	127.92	15 56.99
	25	Fr	8 14.59	12 7 12.98	3 36.13	0 46 56.1	23 24.9	127.97	15 57.26
	26	Sa	8 35.01	12 10 49.11	3 36.31	1 10 21.0	23 24.6	128.02	15 57.53
	27	So	8 55.25	12 14 25.42	3 36.50	1 33 45.6	23 24.0	128.08	15 57.80
	28	Mo	— 9 15.30	12 18 1.92	3 36.72	— 1 57 9.6	23 23.1	128.14	15 58.08
	29	Di	9 35.13	12 21 38.64	3 36.96	2 20 32.7	23 21.7	128.21	15 58.36
	30	Mi	9 54.73	12 25 15.60	3 37.20	2 43 54.4	23 20.0	128.29	15 58.64
Okt.	1	Do	10 14.08	12 28 52.80	3 37.47	3 7 14.4	23 17.8	128.37	15 58.92
	2	Fr	10 33.17	12 32 30.27	3 37.76	3 30 32.2	23 15.4	128.46	15 59.20
	3	Sa	—10 51.96	12 36 8.03	3 38.07	— 3 53 47.6	23 12.6	128.55	15 59.48
	4	So	11 10.44	12 39 46.10	3 38.40	4 17 0.2	23 9.4	128.65	15 59.77
	5	Mo	11 28.59	12 43 24.50	3 38.75	4 40 9.6	23 5.8	128.76	16 0.05
	6	Di	11 46.40	12 47 3.25	3 39.12	5 3 15.4	23 1.9	128.87	16 0.33
	7	Mi	12 3.83	12 50 42.37	3 39.51	5 26 17.3	22 57.6	128.99	16 0.61
	8	Do	—12 20.87	12 54 21.88	3 39.93	— 5 49 14.9	22 53.1	129.11	16 0.89
	9	Fr	12 37.50	12 58 1.81	3 40.37	6 12 8.0	22 48.1	129.24	16 1.17
	10	Sa	12 53.68	13 1 42.18	3 40.84	6 34 56.1	22 42.8	129.37	16 1.45
	11	So	13 9.39	13 5 23.02	3 41.33	6 57 38.9	22 37.2	129.51	16 1.72
	12	Mo	13 24.61	13 9 4.35	3 41.85	7 20 16.1	22 31.3	129.66	16 1.99
	13	Di	—13 39.32	13 12 46.20	3 42.38	— 7 42 47.4	22 24.9	129.81	16 2.27
	14	Mi	13 53.50	13 16 28.58	3 42.93	8 5 12.3	22 18.3	129.97	16 2.54
	15	Do	14 7.12	13 20 11.51	3 43.51	8 27 30.6	22 11.3	130.13	16 2.80
	16	Fr	14 20.16	13 23 55.02	3 44.10	8 49 41.9	22 3.8	130.29	16 3.07
	17	Sa	14 32.61	13 27 39.12	3 44.71	9 11 45.7	21 56.0	130.46	16 3.34
	18	So	—14 44.46	13 31 23.83	3 45.33	— 9 33 41.7	21 47.8	130.63	16 3.60
	19	Mo	14 55.68	13 35 9.16	3 45.97	9 55 29.5	21 39.2	130.81	16 3.87
	20	Di	15 6.26	13 38 55.13	3 46.63	10 17 8.7	21 30.2	130.99	16 4.13
	21	Mi	15 16.19	13 42 41.76	3 47.29	10 38 38.9	21 20.8	131.18	16 4.40
	22	Do	15 25.45	13 46 29.05	3 47.98	10 59 59.7	21 11.0	131.37	16 4.66
	23	Fr	—15 34.03	13 50 17.03	3 48.67	—11 21 10.7	21 0.8	131.57	16 4.92
	24	Sa	15 41.91	13 54 5.70	3 49.37	11 42 11.5	20 50.2	131.77	16 5.19
	25	So	15 49.09	13 57 55.07	3 50.09	12 3 1.7	20 39.1	131.98	16 5.45
	26	Mo	15 55.55	14 1 45.16	3 50.82	12 23 40.8	20 27.6	132.19	16 5.71
	27	Di	16 1.29	14 5 35.98	3 51.55	12 44 8.4	20 15.7	132.40	16 5.98
	28	Mi	—16 6.30	14 9 27.53	3 52.29	—13 4 24.1	20 3.3	132.62	16 6.24
	29	Do	16 10.56	14 13 19.82	3 53.05	13 24 27.4	19 50.6	132.84	16 6.50
	30	Fr	16 14.07	14 17 12.87	3 53.81	13 44 18.0	19 37.5	133.06	16 6.76
	31	Sa	16 16.81	14 21 6.68	3 54.58	14 3 55.5	19 23.8	133.28	16 7.02
Nov.	1	So	16 18.78	14 25 1.26		14 23 19.3		133.51	16 7.27

Mittlerer Berliner Mittag.

Monats- und Jahrestag			Sternzeit	Mittleres Äqu. 1908.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0″.01 dλ	dε
			h m s	° ′ ″	′ ″	″				
Sept.	23	267	12 7 34.46	180 0 20.47	58 48.64	+0.59	0.0013201	1217	+14	+6
	24	268	12 11 31.01	180 59 9.11	58 50.70	+0.63	0.0011984	1227	+ 5	+8
	25	269	12 15 27.57	181 57 59.81	58 52.71	+0.64	0.0010757	1237	− 6	+9
	26	270	12 19 24.12	182 56 52.52	58 54.68	+0.63	0.0009520	1245	−16	+7
	27	271	12 23 20.67	183 55 47.20	58 56.61	+0.59	0.0008275	1253	−23	+5
	28	272	12 27 17.22	184 54 43.81	58 58.49	+0.52	0.0007022	1261	−26	+1
	29	273	12 31 13.78	185 53 42.30	59 0.33	+0.43	0.0005761	1268	−26	−3
	30	274	12 35 10.33	186 52 42.63	59 2.11	+0.32	0.0004493	1273	−21	−6
Okt.	1	275	12 39 6.88	187 51 44.74	59 3.86	+0.20	0.0003220	1276	−12	−9
	2	276	12 43 3.44	188 50 48.60	59 5.60	+0.07	0.0001944	1279	− 3	−9
	3	277	12 46 59.99	189 49 54.20	59 7.34	−0.06	0.0000665	1280	+ 7	−7
	4	278	12 50 56.54	190 49 1.54	59 9.10	−0.18	9.9999385	1279	+15	−4
	5	279	12 54 53.09	191 48 10.64	59 10.87	−0.28	9.9998106	1276	+18	0
	6	280	12 58 49.65	192 47 21.51	59 12.68	−0.36	9.9996830	1271	+18	+4
	7	281	13 2 46.20	193 46 34.19	59 14.53	−0.42	9.9995559	1264	+14	+7
	8	282	13 6 42.75	194 45 48.72	59 16.45	−0.45	9.9994295	1257	+ 7	+9
	9	283	13 10 39.31	195 45 5.17	59 18.45	−0.44	9.9993038	1250	− 1	+9
	10	284	13 14 35.86	196 44 23.62	59 20.54	−0.40	9.9991788	1241	− 8	+7
	11	285	13 18 32.41	197 43 44.16	59 22.70	−0.33	9.9990547	1232	−13	+3
	12	286	13 22 28.96	198 43 6.86	59 24.92	−0.23	9.9989315	1225	−13	0
	13	287	13 26 25.52	199 42 31.78	59 27.19	−0.11	9.9988090	1218	−11	−4
	14	288	13 30 22.07	200 41 58.97	59 29.49	+0.02	9.9986872	1212	− 4	−7
	15	289	13 34 18.63	201 41 28.46	59 31.79	+0.15	9.9985660	1206	+ 3	−9
	16	290	13 38 15.18	202 41 0.25	59 34.08	+0.28	9.9984454	1201	+12	−8
	17	291	13 42 11.73	203 40 34.33	59 36.36	+0.40	9.9983253	1198	+18	−6
	18	292	13 46 8.29	204 40 10.69	59 38.63	+0.50	9.9982055	1194	+22	−3
	19	293	13 50 4.84	205 39 49.32	59 40.86	+0.59	9.9980861	1192	+22	+1
	20	294	13 54 1.39	206 39 30.18	59 43.07	+0.65	9.9979669	1189	+17	+5
	21	295	13 57 57.95	207 39 13.25	59 45.25	+0.69	9.9978480	1188	+ 9	+8
	22	296	14 1 54.50	208 38 58.50	59 47.38	+0.70	9.9977292	1186	− 2	+9
	23	297	14 5 51.06	209 38 45.88	59 49.45	+0.69	9.9976106	1184	−12	+8
	24	298	14 9 47.61	210 38 35.33	59 51.45	+0.65	9.9974922	1183	−20	+6
	25	299	14 13 44.17	211 38 26.78	59 53.39	+0.58	9.9973739	1182	−26	+2
	26	300	14 17 40.72	212 38 20.17	59 55.27	+0.49	9.9972557	1180	−27	−2
	27	301	14 21 37.27	213 38 15.44	59 57.07	+0.39	9.9971377	1177	−23	−6
	28	302	14 25 33.83	214 38 12.51	59 58.80	+0.27	9.9970200	1173	−16	−8
	29	303	14 29 30.38	215 38 11.31	60 0.48	+0.14	9.9969027	1169	− 6	−9
	30	304	14 33 26.94	216 38 11.79	60 2.10	+0.01	9.9967858	1162	+ 4	−8
	31	305	14 37 23.49	217 38 13.89	60 3.67	−0.11	9.9966696	1155	+13	−5
Nov.	1	306	14 41 20.05	218 38 17.56		−0.22	9.9965541		+17	−1

Mittlerer Berliner Mittag.

Monats- und Wochentag		Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
		m s	h m s	m s	° ′ ″	′ ″	s	′ ″
Okt. 31	Sa	—16 16.81	14 21 6.68		—14 3 55.5		133.28	16 7.02
Nov. 1	So	16 18.78	14 25 1.26	3 54.58	14 23 19.3	19 23.8	133.51	16 7.27
2	Mo	16 19.98	14 28 56.61	3 55.35	14 42 29.1	19 9.8	133.74	16 7.53
3	Di	16 20.40	14 32 52.75	3 56.14	15 1 24.5	18 55.4	133.97	16 7.78
4	Mi	16 20.02	14 36 49.69	3 56.94	15 20 5.0	18 40.5	134.20	16 8.03
5	Do	—16 18.84	14 40 47.43	3 57.74	—15 38 30.3	18 25.3	134.44	16 8.28
6	Fr	16 16.84	14 44 45.98	3 58.55	15 56 40.0	18 9.7	134.67	16 8.52
7	Sa	16 14.01	14 48 45.36	3 59.38	16 14 33.7	17 53.7	134.91	16 8.76
8	So	16 10.35	14 52 45.58	4 0.22	16 32 11.0	17 37.3	135.15	16 8.99
9	Mo	16 5.85	14 56 46.64	4 1.06	16 49 31.6	17 20.6	135.39	16 9.23
10	Di	—16 0.50	15 0 48.55	4 1.91	—17 6 35.1	17 3.5	135.63	16 9.45
11	Mi	15 54.29	15 4 51.31	4 2.76	17 23 21.0	16 45.9	135.87	16 9.67
12	Do	15 47.22	15 8 54.94	4 3.63	17 39 49.1	16 28.1	136.10	16 9.89
13	Fr	15 39.28	15 12 59.43	4 4.49	17 55 58.9	16 9.8	136.34	16 10.11
14	Sa	15 30.48	15 17 4.79	4 5.36	18 11 50.0	15 51.1	136.58	16 10.32
15	So	—15 20.82	15 21 11.01	4 6.22	—18 27 22.1	15 32.1	136.81	16 10.53
16	Mo	15 10.30	15 25 18.09	4 7.08	18 42 34.8	15 12.7	137.05	16 10.73
17	Di	14 58.92	15 29 26.03	4 7.94	18 57 27.7	14 52.9	137.28	16 10.93
18	Mi	14 46.68	15 33 34.82	4 8.79	19 12 0.3	14 32.6	137.51	16 11.13
19	Do	14 33.59	15 37 44.46	4 9.64	19 26 12.3	14 12.0	137.74	16 11.33
20	Fr	—14 19.67	15 41 54.94	4 10.48	—19 40 3.3	13 51.0	137.97	16 11.52
21	Sa	14 4.93	15 46 6.24	4 11.30	19 53 33.0	13 29.7	138.19	16 11.71
22	So	13 49.37	15 50 18.35	4 12.11	20 6 40.9	13 7.9	138.41	16 11.90
23	Mo	13 33.01	15 54 31.26	4 12.91	20 19 26.7	12 45.8	138.63	16 12.08
24	Di	13 15.87	15 58 44.96	4 13.70	20 31 50.1	12 23.4	138.84	16 12.27
25	Mi	—12 57.96	16 2 59.43	4 14.47	—20 43 50.6	12 0.5	139.05	16 12.45
26	Do	12 39.30	16 7 14.65	4 15.22	20 55 27.8	11 37.2	139.26	16 12.62
27	Fr	12 19.91	16 11 30.59	4 15.94	21 6 41.5	11 13.7	139.46	16 12.80
28	Sa	11 59.82	16 15 47.24	4 16.65	21 17 31.3	10 49.8	139.65	16 12.97
29	So	11 39.04	16 20 4.58	4 17.34	21 27 56.9	10 25.6	139.84	16 13.14
30	Mo	—11 17.59	16 24 22.59	4 18.01	—21 37 58.0	10 1.1	140.03	16 13.31
Dez. 1	Di	10 55.49	16 28 41.24	4 18.65	21 47 34.2	9 36.2	140.21	16 13.47
2	Mi	10 32.77	16 33 0.52	4 19.28	21 56 45.2	9 11.0	140.38	16 13.63
3	Do	10 9.45	16 37 20.40	4 19.88	22 5 30.9	8 45.7	140.55	16 13.78
4	Fr	9 45.54	16 41 40.87	4 20.47	22 13 51.0	8 20.1	140.71	16 13.92
5	Sa	— 9 21.07	16 46 1.90	4 21.03	—22 21 45.1	7 54.1	140.86	16 14.06
6	So	8 56.05	16 50 23.48	4 21.58	22 29 13.1	7 28.0	141.01	16 14.20
7	Mo	8 30.51	16 54 45.57	4 22.09	22 36 14.8	7 1.7	141.15	16 14.33
8	Di	8 4.48	16 59 8.16	4 22.59	22 42 50.0	6 35.2	141.28	16 14.46
9	Mi	7 37.97	17 3 31.23	4 23.07	22 48 58.4	6 8.4	141.40	16 14.58

Mittlerer Berliner Mittag.

Monats- und Jahrestag			Sternzeit	Mittleres Äqu. 1908.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0".01 $d\lambda$	$d\varepsilon$
			h m s	° ′ ″	′ ″	″				
Okt.	31	305	14 37 23.49	217 38 13.89		−0.11	9.9966696		+13	−5
Nov.	1	306	14 41 20.05	218 38 17.56	60 3.67	−0.22	9.9965541	1155	+17	−1
	2	307	14 45 16.60	219 38 22.79	60 5.23	−0.31	9.9964396	1145	+19	+3
	3	308	14 49 13.16	220 38 29.56	60 6.77	−0.38	9.9963262	1134	+15	+6
	4	309	14 53 9.71	221 38 37.87	60 8.31	−0.42	9.9962142	1120	+ 9	+8
	5	310	14 57 6.27	222 38 47.72	60 9.85	−0.42	9.9961037	1105	+ 1	+9
	6	311	15 1 2.82	223 38 59.15	60 11.43	−0.38	9.9959948	1089	− 7	+7
	7	312	15 4 59.38	224 39 12.22	60 13.07	−0.31	9.9958877	1071	−11	+5
	8	313	15 8 55.93	225 39 26.99	60 14.77	−0.22	9.9957824	1053	−14	+1
	9	314	15 12 52.49	226 39 43.50	60 16.51	−0.11	9.9956789	1035	−12	−3
	10	315	15 16 49.04	227 40 1.79	60 18.29	+0.02	9.9955773	1016	− 7	−7
	11	316	15 20 45.60	228 40 21.91	60 20.12	+0.15	9.9954776	997	0	−9
	12	317	15 24 42.16	229 40 43.90	60 21.99	+0.28	9.9953797	979	+10	−9
	13	318	15 28 38.71	230 41 7.77	60 23.87	+0.40	9.9952835	962	+17	−7
	14	319	15 32 35.27	231 41 33.52	60 25.75	+0.52	9.9951889	946	+22	−4
	15	320	15 36 31.83	232 42 1.14	60 27.62	+0.62	9.9950959	930	+22	0
	16	321	15 40 28.38	233 42 30.61	60 29.47	+0.69	9.9950044	915	+19	+4
	17	322	15 44 24.94	234 43 1.90	60 31.29	+0.74	9.9949143	901	+11	+7
	18	323	15 48 21.49	235 43 34.98	60 33.08	+0.76	9.9948256	887	+ 2	+9
	19	324	15 52 18.05	236 44 9.81	60 34.83	+0.75	9.9947382	874	− 9	+9
	20	325	15 56 14.61	237 44 46.34	60 36.53	+0.72	9.9946520	862	−18	+7
	21	326	16 0 11.16	238 45 24.51	60 38.17	+0.66	9.9945670	850	−25	+3
	22	327	16 4 7.72	239 46 4.25	60 39.74	+0.57	9.9944831	839	−27	−1
	23	328	16 8 4.28	240 46 45.49	60 41.24	+0.46	9.9944003	828	−25	−4
	24	329	16 12 0.83	241 47 28.15	60 42.66	+0.33	9.9943186	817	−18	−7
	25	330	16 15 57.39	242 48 12.13	60 43.98	+0.19	9.9942380	806	− 8	−9
	26	331	16 19 53.95	243 48 57.34	60 45.21	+0.06	9.9941585	795	+ 1	−8
	27	332	16 23 50.51	244 49 43.68	60 46.34	−0.07	9.9940802	783	+10	−6
	28	333	16 27 47.06	245 50 31.06	60 47.38	−0.19	9.9940033	769	+16	−3
	29	334	16 31 43.62	246 51 19.40	60 48.34	−0.29	9.9939278	755	+18	+1
	30	335	16 35 40.18	247 52 8.64	60 49.24	−0.36	9.9938540	738	+16	+5
Dez.	1	336	16 39 36.73	248 52 58.75	60 50.11	−0.40	9.9937820	720	+11	+8
	2	337	16 43 33.29	249 53 49.70	60 50.95	−0.41	9.9937119	701	+ 3	+9
	3	338	16 47 29.85	250 54 41.47	60 51.77	−0.39	9.9936440	679	− 4	+8
	4	339	16 51 26.41	251 55 34.06	60 52.59	−0.33	9.9935784	656	−11	+6
	5	340	16 55 22.97	252 56 27.48	60 53.42	−0.24	9.9935151	633	−14	+2
	6	341	16 59 19.53	253 57 21.76	60 54.28	−0.12	9.9934543	608	−14	−2
	7	342	17 3 16.08	254 58 16.92	60 55.16	0.00	9.9933961	582	− 9	−6
	8	343	17 7 12.64	255 59 13.00	60 56.08	+0.13	9.9933406	555	− 2	−8
	9	344	17 11 9.20	257 0 10.03	60 57.03	+0.26	9.9932877	529	+ 7	−9

Mittlerer Berliner Mittag.

Monats- und Wochentag		Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
		m s	h m s	m s	° ′ ″	′ ″	s	′ ″
Dez. 8	Di	—8 4.48	16 59 8.16	4 23.07	—22 42 50.0	6 8.4	141.28	16 14.46
9	Mi	7 37.97	17 3 31.23	4 23.52	22 48 58.4	5 41.5	141.40	16 14.58
10	Do	7 11.01	17 7 54.75	4 23.95	22 54 39.9	5 14.3	141.52	16 14.69
11	Fr	6 43.62	17 12 18.70	4 24.34	22 59 54.2	4 47.1	141.63	16 14.80
12	Sa	6 15.83	17 16 43.04	4 24.71	23 4 41.3	4 19.7	141.73	16 14.90
13	So	—5 47.68	17 21 7.75	4 25.06	—23 9 1.0	3 52.1	141.82	16 14.99
14	Mo	5 19.18	17 25 32.81	4 25.37	23 12 53.1	3 24.4	141.90	16 15.08
15	Di	4 50.37	17 29 58.18	4 25.64	23 16 17.5	2 56.5	141.97	16 15.17
16	Mi	4 21.29	17 34 23.82	4 25.89	23 19 14.0	2 28.6	142.03	16 15.25
17	Do	3 51.96	17 38 49.71	4 26.10	23 21 42.6	2 0.6	142.09	16 15.33
18	Fr	—3 22.41	17 43 15.81	4 26.28	—23 23 43.2	1 32.5	142.14	16 15.40
19	Sa	2 52.69	17 47 42.09	4 26.42	23 25 15.7	1 4.3	142.18	16 15.47
20	So	2 22.83	17 52 8.51	4 26.53	23 26 20.0	0 36.0	142.21	16 15.53
21	Mo	1 52.86	17 56 35.04	4 26.60	23 26 56.0	0 7.7	142.23	16 15.59
22	Di	1 22.82	18 1 1.64	4 26.62	23 27 3.7	0 20.6	142.24	16 15.65
23	Mi	—0 52.75	18 5 28.26	4 26.61	—23 26 43.1	0 48.8	142.24	16 15.70
24	Do	—0 22.70	18 9 54.87	4 26.56	23 25 54.3	1 17.1	142.23	16 15.75
25	Fr	+0 7.30	18 14 21.43	4 26.47	23 24 37.2	1 45.4	142.21	16 15.79
26	Sa	0 37.21	18 18 47.90	4 26.34	23 22 51.8	2 13.7	142.18	16 15.83
27	So	1 6.99	18 23 14.24	4 26.17	23 20 38.1	2 41.9	142.15	16 15.87
28	Mo	+1 36.60	18 27 40.41	4 25.97	—23 17 56.2	3 9.9	142.11	16 15.90
29	Di	2 6.01	18 32 6.38	4 25.73	23 14 46.3	3 37.9	142.05	16 15.93
30	Mi	2 35.19	18 36 32.11	4 25.46	23 11 8.4	4 5.7	141.99	16 15.96
31	Do	3 4.09	18 40 57.57	4 25.16	23 7 2.7	4 33.5	141.92	16 15.98
32	Fr	3 32.69	18 45 22.73	4 24.83	23 2 29.2	5 1.1	141.84	16 15.99
33	Sa	+4 0.96	18 49 47.56		—22 57 28.1		141.75	16 16.00

Frühjahrsäquinoktium	März 20	13^h
Sommersolstitium	Juni 21	9
Herbstäquinoktium	Sept. 23	0
Wintersolstitium	Dez. 21	19

Mittlerer Berliner Mittag.

Monats- und Jahrestag		Sternzeit	Mittleres Äqu. 1908.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0".01 dλ	dε
		h m s	° ′ ″	′ ″	″				
Dez. 8	343	17 7 12.64	255 59 13.00	60 57.03	+0.13	9.9933406	529	− 2	−8
9	344	17 11 9.20	257 0 10.03	60 58.01	+0.26	9.9932877	503	+ 7	−9
10	345	17 15 5.76	258 1 8.04	60 59.00	+0.39	9.9932374	477	+15	−8
11	346	17 19 2.32	259 2 7.04	61 0.00	+0.51	9.9931897	452	+21	−5
12	347	17 22 58.87	260 3 7.04	61 1.00	+0.61	9.9931445	428	+23	−1
13	348	17 26 55.43	261 4 8.04	61 1.99	+0.69	9.9931017	404	+22	+3
14	349	17 30 51.99	262 5 10.03	61 2.94	+0.75	9.9930613	382	+15	+6
15	350	17 34 48.55	263 6 12.97	61 3.86	+0.78	9.9930231	360	+ 6	+8
16	351	17 38 45.11	264 7 16.83	61 4.76	+0.78	9.9929871	339	− 5	+9
17	352	17 42 41.66	265 8 21.59	61 5.63	+0.75	9.9929532	319	−15	+7
18	353	17 46 38.22	266 9 27.22	61 6.45	+0.70	9.9929213	300	−22	+5
19	354	17 50 34.78	267 10 33.67	61 7.20	+0.62	9.9928913	282	−26	+1
20	355	17 54 31.34	268 11 40.87	61 7.87	+0.51	9.9928631	264	−26	−3
21	356	17 58 27.90	269 12 48.74	61 8.45	+0.39	9.9928367	248	−21	−7
22	357	18 2 24.46	270 13 57.19	61 8.93	+0.26	9.9928119	232	−12	−9
23	358	18 6 21.02	271 15 6.12	61 9.30	+0.13	9.9927887	216	− 2	−9
24	359	18 10 17.57	272 16 15.42	61 9.57	−0.01	9.9927671	201	+ 7	−7
25	360	18 14 14.13	273 17 24.99	61 9.73	−0.14	9.9927470	184	+14	−4
26	361	18 18 10.69	274 18 34.72	61 9.79	−0.25	9.9927286	167	+17	0
27	362	18 22 7.25	275 19 44.51	61 9.75	−0.33	9.9927119	148	+17	+4
28	363	18 26 3.81	276 20 54.26	61 9.64	−0.38	9.9926971	128	+12	+7
29	364	18 30 0.37	277 22 3.90	61 9.48	−0.40	9.9926843	107	+ 6	+9
30	365	18 33 56.92	278 23 13.38	61 9.29	−0.38	9.9926736	84	− 2	+9
31	366	18 37 53.48	279 24 22.67	61 9.07	−0.33	9.9926652	60	− 9	+7
32	367	18 41 50.04	280 25 31.74	61 8.84	−0.26	9.9926592	34	−14	+3
33	368	18 45 46.60	281 26 40.58		−0.16	9.9926558		−14	−1

Perigäum	Jan. 2	12ʰ
Apogäum	Juli 2	8

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	+			—			—		
Jan. 1.0	0.164 9971			0.889 2676			0.385 7638		
		86186			13843			6002	
1.5	0.173 6157		+4716	0.887 8833		+ 777	0.385 1636		+ 338
		86051			14538			6303	
2.0	0.182 2208			0.886 4295			0.384 5333		
		85910			15232			6604	
2.5	0.190 8118		4700	0.884 9063		854	0.383 8729		372
		85763			15925			6904	
3.0	0.199 3881			0.883 3138			0.383 1825		
		85607			16617			7205	
3.5	0.207 9488		4683	0.881 6521		931	0.382 4620		405
		85444			17308			7505	
4.0	0.216 4932			0.879 9213			0.381 7115		
		85274			17997			7804	
4.5	0.225 0206		4664	0.878 1216		1007	0.380 9311		438
		85096			18683			8101	
5.0	0.233 5302			0.876 2533			0.380 1210		
		84912			19369			8399	
5.5	0.242 0214		4644	0.874 3164		1083	0.379 2811		471
	+	84721		—	20053		—	8695	
6.0	0.250 4935			0.872 3111			0.378 4116		
		84523			20734			8992	
6.5	0.258 9458		+4622	0.870 2377		+1159	0.377 5124		+ 504
		84317			21412			9286	
7.0	0.267 3775			0.868 0965			0.376 5838		
		84105			22088			9580	
7.5	0.275 7880		4599	0.865 8877		1234	0.375 6258		536
		83886			22763			9873	
8.0	0.284 1766			0.863 6114			0.374 6385		
		83661			23436			10165	
8.5	0.292 5427		4575	0.861 2678		1309	0.373 6220		569
		83429			24107			10457	
9.0	0.300 8856			0.858 8571			0.372 5763		
		83190			24775			10747	
9.5	0.309 2046		4549	0.856 3796		1383	0.371 5016		601
		82946			25440			11035	
10.0	0.317 4992			0.853 8356			0.370 3981		
		82695			26103			11323	
10.5	0.325 7687		4522	0.851 2253		1457	0.369 2658		633
	+	82437		—	26763		—	11611	
11.0	0.334 0124			0.848 5490			0.368 1047		
		82174			27422			11897	
11.5	0.342 2298		+4493	0.845 8068		+1531	0.366 9150		+ 665
		81904			28077			12181	
12.0	0.350 4202			0.842 9991			0.365 6969		
		81629			28731			12465	
12.5	0.358 5831		4463	0.840 1260		1604	0.364 4504		697
		81348			29381			12747	
13.0	0.366 7179			0.837 1879			0.363 1757		
		81061			30029			13029	
13.5	0.374 8240		4431	0.834 1850		1676	0.361 8728		729
		80767			30674			13310	
14.0	0.382 9007			0.831 1176			0.360 5418		
		80468			31317			13588	
14.5	0.390 9475		4398	0.827 9859		1748	0.359 1830		760
		80163			31957			13866	
15.0	0.398 9638			0.824 7902			0.357 7964		
		79852			32594			14143	
15.5	0.406 9490		4364	0.821 5308		1820	0.356 3821		791
	+	79536		—	33230		—	14419	
16.0	0.414 9026			0.818 2078			0.354 9402		
		79214			33863			14693	
16.5	0.422 8240		+4328	0.814 8215		+1891	0.353 4709		+ 822
		78885			34492			14967	
17.0	0.430 7125			0.811 3723			0.351 9742		
		78551			35120			15238	
17.5	0.438 5676		4291	0.807 8603		1961	0.350 4504		853
		78212			35744			15509	
18.0	0.446 3888			0.804 2859			0.348 8995		
		77866			36366			15779	
18.5	0.454 1754		4253	0.800 6493		2031	0.347 3216		883
		77516			36985			16048	
19.0	0.461 9270			0.796 9508			0.345 7168		
		77159			37602			16316	
19.5	0.469 6429		4213	0.793 1906		2100	0.344 0852		913
		76797			38215			16581	
20.0	0.477 3226			0.789 3691			0.342 4271		

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908		X	Δ	Red. auf 1910.0	Y	Δ	Red. auf 1910.0	Z	Δ	Red. auf 1910.0
		+			—			—		
Jan.	20.0	0.477 3226			0.789 3691			0.342 4271		
	20.5	0.484 9655	76429	+4172	0.785 4865	38826	+2168	0.340 7426	16845	+ 943
	21.0	0.492 5710	76055		0.781 5430	39435		0.339 0317	17109	
	21.5	0.500 1386	75676	4130	0.777 5390	40040	2236	0.337 2946	17371	972
	22.0	0.507 6678	75292		0.773 4749	40641		0.335 5314	17632	
	22.5	0.515 1580	74902	4086	0.769 3508	41241	2303	0.333 7422	17892	1001
	23.0	0.522 6086	74506		0.765 1671	41837		0.331 9272	18150	
	23.5	0.530 0191	74105	4041	0.760 9240	42431	2369	0.330 0864	18408	1030
	24.0	0.537 3888	73697		0.756 6219	43021		0.328 2201	18663	
	24.5	0.544 7172	73284	3995	0.752 2610	43609	2435	0.326 3283	18918	1059
		+	72866		—	44193		—	19171	
	25.0	0.552 0038			0.747 8417			0.324 4112		
	25.5	0.559 2479	72441	+3948	0.743 3643	44774	+2500	0.322 4689	19423	+1087
	26.0	0.566 4490	72011		0.738 8291	45352		0.320 5016	19673	
	26.5	0.573 6066	71576	3900	0.734 2364	45927	2564	0.318 5095	19921	1115
	27.0	0.580 7200	71134		0.729 5865	46499		0.316 4926	20169	
	27.5	0.587 7888	70688	3850	0.724 8798	47067	2627	0.314 4511	20415	1143
	28.0	0.594 8123	70235		0.720 1166	47632		0.312 3851	20660	
	28.5	0.601 7900	69777	3799	0.715 2973	48193	2690	0.310 2948	20903	1170
	29.0	0.608 7212	69312		0.710 4223	48750		0.308 1803	21145	
	29.5	0.615 6054	68842	3747	0.705 4919	49304	2752	0.306 0418	21385	1197
		+	68366		—	49855		—	21624	
	30.0	0.622 4420			0.700 5064			0.303 8794		
	30.5	0.629 2305	67885	+3694	0.695 4663	50401	+2813	0.301 6933	21861	+1224
	31.0	0.635 9702	67397		0.690 3720	50943		0.299 4837	22096	
	31.5	0.642 6606	66904	3639	0.685 2238	51482	2873	0.297 2508	22329	1250
Febr.	1.0	0.649 3012	66406		0.680 0223	52015		0.294 9947	22561	
	1.5	0.655 8913	65901	3584	0.674 7678	52545	2932	0.292 7157	22790	1276
	2.0	0.662 4305	65392		0.669 4609	53069		0.290 4139	23018	
	2.5	0.668 9181	64876	3527	0.664 1020	53589	2990	0.288 0895	23244	1301
	3.0	0.675 3537	64356		0.658 6915	54105		0.285 7427	23468	
	3.5	0.681 7367	63830	3469	0.653 2299	54616	3047	0.283 3737	23690	1326
		+	63300		—	55123		—	23910	
	4.0	0.688 0667			0.647 7176			0.280 9827		
	4.5	0.694 3432	62765	+3410	0.642 1552	55624	+3103	0.278 5699	24128	+1351
	5.0	0.700 5656	62224		0.636 5431	56121		0.276 1355	24344	
	5.5	0.706 7335	61679	3350	0.630 8819	56612	3158	0.273 6798	24557	1375
	6.0	0.712 8464	61129		0.625 1722	57097		0.271 2029	24769	
	6.5	0.718 9039	60575	3289	0.619 4143	57579	3212	0.268 7051	24978	1398
	7.0	0.724 9055	60016		0.613 6088	58055		0.266 1867	25184	
	7.5	0.730 8509	59454	3227	0.607 7562	58526	3266	0.263 6478	25389	1421
	8.0	0.736 7396	58887		0.601 8570	58992		0.261 0886	25592	

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	+			—			—		
Febr. 8.0	0.736 7396			0.601 8570			0.261 0886		
8.5	0.742 5712	58316	+3164	0.595 9116	59454	+3319	0.258 5093	25793	+1444
9.0	0.748 3453	57741		0.589 9206	59910		0.255 9102	25991	
9.5	0.754 0616	57163	3100	0.583 8845	60361	3371	0.253 2915	26187	1466
10.0	0.759 7196	56580		0.577 8039	60806		0.250 6535	26380	
10.5	0.765 3190	55994	3036	0.571 6791	61248	3421	0.247 9963	26572	1488
11.0	0.770 8593	55403		0.565 5106	61685		0.245 3201	26762	
11.5	0.776 3402	54809	2970	0.559 2989	62117	3470	0.242 6251	26950	1509
12.0	0.781 7614	54212		0.553 0446	62543		0.239 9116	27135	
12.5	0.787 1225	53611	2903	0.546 7481	62965	3518	0.237 1798	27318	1530
	+	53006		—	63382		—	27499	
13.0	0.792 4231			0.540 4099			0.234 4299		
13.5	0.797 6629	52398	+2835	0.534 0305	63794	+3565	0.231 6622	27677	+1551
14.0	0.802 8415	51786		0.527 6103	64202		0.228 8768	27854	
14.5	0.807 9586	51171	2767	0.521 1500	64603	3611	0.226 0740	28028	1571
15.0	0.813 0139	50553		0.514 6500	65000		0.223 2540	28200	
15.5	0.818 0069	49930	2698	0.508 1107	65393	3656	0.220 4169	28371	1590
16.0	0.822 9373	49304		0.501 5327	65780		0.217 5630	28539	
16.5	0.827 8048	48675	2628	0.494 9164	66163	3700	0.214 6926	28704	1609
17.0	0.832 6091	48043		0.488 2624	66540		0.211 8058	28868	
17.5	0.837 3500	47409	2557	0.481 5711	66913	3743	0.208 9029	29029	1628
	+	46771		—	67281		—	29189	
18.0	0.842 0271			0.474 8430			0.205 9840		
18.5	0.846 6401	46130	+2485	0.468 0787	67643	+3784	0.203 0495	29345	+1646
19.0	0.851 1886	45485		0.461 2787	68000		0.200 0995	29500	
19.5	0.855 6723	44837	2413	0.454 4433	68354	3824	0.197 1342	29653	1664
20.0	0.860 0909	44186		0.447 5731	68702		0.194 1539	29803	
20.5	0.864 4440	43531	2340	0.440 6687	69044	3864	0.191 1587	29952	1681
21.0	0.868 7313	42873		0.433 7305	69382		0.188 1488	30099	
21.5	0.872 9526	42213	2266	0.426 7590	69715	3902	0.185 1246	30242	1697
22.0	0.877 1076	41550		0.419 7546	70044		0.182 0862	30384	
22.5	0.881 1960	40884	2191	0.412 7180	70366	3939	0.179 0339	30523	1713
	+	40214		—	70684		—	30661	
23.0	0.885 2174			0.405 6496			0.175 9678		
23.5	0.889 1715	39541	+2116	0.398 5499	70997	+3975	0.172 8882	30796	+1729
24.0	0.893 0579	38864		0.391 4196	71303		0.169 7954	30928	
24.5	0.896 8764	38185	2040	0.384 2591	71605	4009	0.166 6894	31060	1744
25.0	0.900 6267	37503		0.377 0689	71902		0.163 5705	31189	
25.5	0.904 3086	36819	1963	0.369 8496	72193	4042	0.160 4390	31315	1758
26.0	0.907 9216	36130		0.362 6017	72479		0.157 2952	31438	
26.5	0.911 4655	35439	1886	0.355 3258	72759	4074	0.154 1393	31559	1772
27.0	0.914 9400	34745		0.348 0225	73033		0.150 9714	31679	

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	+			—			—		
Febr. 27.0	0.914 9400			0.348 0225			0.150 9714		
27.5	0.918 3447	34047	+1808	0.340 6922	73303	+4105	0.147 7918	31796	+1785
28.0	0.921 6794	33347		0.333 3355	73567		0.144 6008	31910	
28.5	0.924 9438	32644	1730	0.325 9531	73824	4134	0.141 3987	32021	1798
29.0	0.928 1376	31938		0.318 5456	74075		0.138 1857	32130	
29.5	0.931 2605	31229	1651	0.311 1135	74321	4162	0.134 9620	32237	1810
März 1.0	0.934 3124	30519		0.303 6575	74560		0.131 7278	32342	
1.5	0.937 2929	29805	1572	0.296 1782	74793	4189	0.128 4835	32443	1822
2.0	0.940 2018	29089		0.288 6762	75020		0.125 2294	32541	
2.5	0.943 0390	28372	1492	0.281 1521	75241	4215	0.121 9656	32638	1833
	+	27653		—	75455		—	32731	
3.0	0.945 8043			0.273 6066			0.118 6925		
3.5	0.948 4973	26930	+1412	0.266 0402	75664	+4239	0.115 4103	32822	+1844
4.0	0.951 1179	26206		0.258 4537	75865		0.112 1194	32909	
4.5	0.953 6659	25480	1331	0.250 8477	76060	4262	0.108 8199	32995	1854
5.0	0.956 1413	24754		0.243 2228	76249		0.105 5122	33077	
5.5	0.958 5439	24026	1250	0.235 5796	76432	4284	0.102 1965	33157	1863
6.0	0.960 8735	23296		0.227 9188	76608		0.098 8732	33233	
6.5	0.963 1301	22566	1168	0.220 2410	76778	4305	0.095 5424	33308	1872
7.0	0.965 3135	21834		0.212 5469	76941		0.092 2045	33379	
7.5	0.967 4237	21102	1086	0.204 8370	77099	4324	0.088 8597	33448	1880
	+	20368		—	77251		—	33514	
8.0	0.969 4605			0.197 1119			0.085 5083		
8.5	0.971 4239	19634	+1004	0.189 3722	77397	+4342	0.082 1505	33578	+1888
9.0	0.973 3137	18898		0.181 6185	77537		0.078 7866	33639	
9.5	0.975 1299	18162	922	0.173 8514	77671	4358	0.075 4169	33697	1895
10.0	0.976 8725	17426		0.166 0716	77798		0.072 0417	33752	
10.5	0.978 5413	16688	839	0.158 2796	77920	4373	0.068 6612	33805	1902
11.0	0.980 1363	15950		0.150 4759	78037		0.065 2757	33855	
11.5	0.981 6575	15212	756	0.142 6613	78146	4387	0.061 8854	33903	1908
12.0	0.983 1048	14473		0.134 8363	78250		0.058 4905	33949	
12.5	0.984 4782	13734	673	0.127 0014	78349	4400	0.055 0914	33991	1913
	+	12995		—	78441		—	34030	
13.0	0.985 7777			0.119 1573			0.051 6884		
13.5	0.987 0032	12255	+ 590	0.111 3046	78527	+4411	0.048 2816	34068	+1918
14.0	0.988 1546	11514		0.103 4438	78608		0.044 8712	34104	
14.5	0.989 2320	10774	507	0.095 5754	78684	4421	0.041 4576	34136	1922
15.0	0.990 2353	10033		0.087 7001	78753		0.038 0410	34166	
15.5	0.991 1645	9292	423	0.079 8183	78818	4430	0.034 6217	34193	1926
16.0	0.992 0196	8551		0.071 9307	78876		0.031 1999	34218	
16.5	0.992 8006	7810	339	0.064 0378	78929	4437	0.027 7758	34241	1929
17.0	0.993 5075	7069		0.056 1402	78976		0.024 3496	34262	

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	+			−			−		
März 17.0	0.993 5075			0.056 1402			0.024 3496		
17.5	0.994 1402	6327	+ 255	0.048 2384	79018	+4443	0.020 9217	34279	+1932
18.0	0.994 6987	5585		0.040 3331	79053		0.017 4923	34294	
18.5	0.995 1831	4844	171	0.032 4247	79084	4447	0.014 0616	34307	1934
19.0	0.995 5933	4102		0.024 5139	79108		0.010 6298	34318	
19.5	0.995 9293	3360	87	0.016 6011	79128	4450	0.007 1972	34326	1936
20.0	0.996 1912	2619		0.008 6869	79142		0.003 7641	34331	
20.5	0.996 3789	1877	+ 3	0.000 7718	79151	4452	0.000 3306	34335	1937
	+	1135		+	79153		+	34335	
21.0	0.996 4924			0.007 1435			0.003 1029		
21.5	0.996 5318	394	− 81	0.015 0586	79151	4453	0.006 5362	34333	1937
	+	348		+	79143		+	34330	
22.0	0.996 4970			0.022 9729			0.009 9692		
22.5	0.996 3880	1090	− 165	0.030 8857	79128	+4452	0.013 4015	34323	+1937
23.0	0.996 2048	1832		0.038 7965	79108		0.016 8329	34314	
23.5	0.995 9474	2574	249	0.046 7048	79083	4450	0.020 2632	34303	1936
24.0	0.995 6158	3316		0.054 6100	79052		0.023 6922	34290	
24.5	0.995 2101	4057	333	0.062 5115	79015	4447	0.027 1196	34274	1934
25.0	0.994 7302	4799		0.070 4087	78972		0.030 5451	34255	
25.5	0.994 1762	5540	417	0.078 3011	78924	4443	0.033 9685	34234	1932
26.0	0.993 5480	6282		0.086 1882	78871		0.037 3895	34210	
26.5	0.992 8458	7022	501	0.094 0692	78810	4437	0.040 8080	34185	1929
	+	7763		+	78743		+	34156	
27.0	0.992 0695			0.101 9435			0.044 2236		
27.5	0.991 2193	8502	− 584	0.109 8106	78671	+4430	0.047 6361	34125	+1926
28.0	0.990 2951	9242		0.117 6699	78593		0.051 0451	34090	
28.5	0.989 2970	9981	668	0.125 5206	78507	4421	0.054 4505	34054	1922
29.0	0.988 2251	10719		0.133 3623	78417		0.057 8520	34015	
29.5	0.987 0794	11457	751	0.141 1943	78320	4411	0.061 2493	33973	1918
30.0	0.985 8600	12194		0.149 0159	78216		0.064 6421	33928	
30.5	0.984 5671	12929	834	0.156 8266	78107	4400	0.068 0303	33882	1913
31.0	0.983 2007	13664		0.164 6257	77991		0.071 4135	33832	
31.5	0.981 7610	14397	917	0.172 4126	77869	4387	0.074 7914	33779	1908
	+	15129		+	77740		+	33724	
April 1.0	0.980 2481			0.180 1866			0.078 1638		
1.5	0.978 6622	15859	−1000	0.187 9472	77606	+4373	0.081 5303	33665	+1902
2.0	0.977 0036	16586		0.195 6937	77465		0.084 8908	33605	
2.5	0.975 2723	17313	1082	0.203 4255	77318	4358	0.088 2450	33542	1895
3.0	0.973 4685	18038		0.211 1420	77165		0.091 5926	33476	
3.5	0.971 5925	18760	1164	0.218 8426	77006	4342	0.094 9333	33407	1888
4.0	0.969 6444	19481		0.226 5268	76842		0.098 2669	33336	
4.5	0.967 6244	20200	1245	0.234 1939	76671	4324	0.101 5932	33263	1880
5.0	0.965 5327	20917		0.241 8433	76494		0.104 9118	33186	

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	+			+			+		
April 5.0	0.965 5327	21630		0.241 8433	76313		0.104 9118	33108	
5.5	0.963 3697	22341	−1326	0.249 4746	76126	+4305	0.108 2226	33026	+1872
6.0	0.961 1356	23050		0.257 0872	75932		0.111 5252	32943	
6.5	0.958 8306	23756	1407	0.264 6804	75734	4285	0.114 8195	32857	1863
7.0	0.956 4550	24461		0.272 2538	75530		0.118 1052	32768	
7.5	0.954 0089	25162	1487	0.279 8068	75320	4263	0.121 3820	32677	1854
8.0	0.951 4927	25862		0.287 3388	75105		0.124 6497	32583	
8.5	0.948 9065	26559	1567	0.294 8493	74885	4240	0.127 9080	32488	1844
9.0	0.946 2506	27253		0.302 3378	74660		0.131 1568	32390	
9.5	0.943 5253		1647	0.309 8038		4216	0.134 3958		1833
	+	27945		+	74430		+	32291	
10.0	0.940 7308	28634		0.317 2468	74194		0.137 6249	32189	
10.5	0.937 8674	29320	−1726	0.324 6662	73953	+4191	0.140 8438	32084	+1822
11.0	0.934 9354	30004		0.332 0615	73708		0.144 0522	31977	
11.5	0.931 9350	30684	1804	0.339 4323	73457	4164	0.147 2499	31867	1811
12.0	0.928 8666	31362		0.346 7780	73201		0.150 4366	31756	
12.5	0.925 7304	32037	1882	0.354 0981	72940	4136	0.153 6122	31643	1799
13.0	0.922 5267	32709		0.361 3921	72674		0.156 7765	31527	
13.5	0.919 2558	33379	1959	0.368 6595	72403	4107	0.159 9292	31409	1786
14.0	0.915 9179	34046		0.375 8998	72128		0.163 0701	31290	
14.5	0.912 5133		2036	0.383 1126		4077	0.166 1991		1773
	+	34710		+	71848		+	31168	
15.0	0.909 0423	35371		0.390 2974	71563		0.169 3159	31044	
15.5	0.905 5052	36030	−2112	0.397 4537	71274	+4046	0.172 4203	30918	+1760
16.0	0.901 9022	36686		0.404 5811	70980		0.175 5121	30790	
16.5	0.898 2336	37338	2188	0.411 6791	70681	4013	0.178 5911	30660	1746
17.0	0.894 4998	37988		0.418 7472	70378		0.181 6571	30528	
17.5	0.890 7010	38636	2263	0.425 7850	70069	3979	0.184 7099	30394	1731
18.0	0.886 8374	39280		0.432 7919	69756		0.187 7493	30257	
18.5	0.882 9094	39922	2337	0.439 7675	69439	3945	0.190 7750	30120	1716
19.0	0.878 9172	40560		0.446 7114	69117		0.193 7870	29980	
19.5	0.874 8612		2410	0.453 6231		3909	0.196 7850		1700
	+	41197		+	68790		+	29838	
20.0	0.870 7415	41831		0.460 5021	68459		0.199 7688	29693	
20.5	0.866 5584	42462	−2483	0.467 3480	68123	+3872	0.202 7381	29548	+1684
21.0	0.862 3122	43090		0.474 1603	67781		0.205 6929	29400	
21.5	0.858 0032	43715	2555	0.480 9384	67435	3833	0.208 6329	29250	1667
22.0	0.853 6317	44336		0.487 6819	67084		0.211 5579	29097	
22.5	0.849 1981	44955	2627	0.494 3903	66728	3794	0.214 4676	28943	1650
23.0	0.844 7026	45571		0.501 0631	66367		0.217 3619	28787	
23.5	0.840 1455	46185	2698	0.507 6998	66001	3754	0.220 2406	28629	1633
24.0	0.835 5270			0.514 2999			0.223 1035		

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	+			+			+		
April 24.0	0.835 5270	46795		0.514 2999	65630		0.223 1035	28468	
24.5	0.830 8475	47402	−2768	0.520 8629	65255	+3712	0.225 9503	28305	+1615
25.0	0.826 1073	48004		0.527 3884	64874		0.228 7808	28141	
25.5	0.821 3069	48603	2837	0.533 8758	64489	3669	0.231 5949	27974	1596
26.0	0.816 4466	49200		0.540 3247	64099		0.234 3923	27805	
26.5	0.811 5266	49792	2905	0.546 7346	63703	3626	0.237 1728	27633	1577
27.0	0.806 5474	50381		0.553 1049	63303		0.239 9361	27460	
27.5	0.801 5093	50966	2972	0.559 4352	62897	3582	0.242 6821	27285	1557
28.0	0.796 4127	51548		0.565 7249	62487		0.245 4106	27107	
28.5	0.791 2579	52124	3039	0.571 9736	62071	3536	0.248 1213	26928	1537
	+			+			+		
29.0	0.786 0455	52697		0.578 1807	61652		0.250 8141	26746	
29.5	0.780 7758	53264	−3105	0.584 3459	61227	+3489	0.253 4887	26561	+1517
30.0	0.775 4494	53828		0.590 4686	60797		0.256 1448	26376	
30.5	0.770 0666	54388	3170	0.596 5483	60364	3441	0.258 7824	26188	1496
Mai 1.0	0.764 6278	54943		0.602 5847	59926		0.261 4012	25998	
1.5	0.759 1335	55494	3234	0.608 5773	59483	3392	0.264 0010	25806	1475
2.0	0.753 5841	56040		0.614 5256	59035		0.266 5816	25613	
2.5	0.747 9801	56580	3297	0.620 4291	58584	3342	0.269 1429	25417	1453
3.0	0.742 3221	57116		0.626 2875	58129		0.271 6846	25219	
3.5	0.736 6105	57648	3359	0.632 1004	57670	3291	0.274 2065	25020	1431
	+			+			+		
4.0	0.730 8457	58175		0.637 8674	57206		0.276 7085	24820	
4.5	0.725 0282	58696	−3420	0.643 5880	56739	+3239	0.279 1905	24617	+1409
5.0	0.719 1586	59213		0.649 2619	56268		0.281 6522	24412	
5.5	0.713 2373	59726	3480	0.654 8887	55793	3186	0.284 0934	24207	1386
6.0	0.707 2647	60233		0.660 4680	55315		0.286 5141	23999	
6.5	0.701 2414	60736	3539	0.665 9995	54833	3133	0.288 9140	23789	1363
7.0	0.695 1678	61235		0.671 4828	54347		0.291 2929	23578	
7.5	0.689 0443	61727	3597	0.676 9175	53859	3079	0.293 6507	23367	1339
8.0	0.682 8716	62215		0.682 3034	53366		0.295 9874	23153	
8.5	0.676 6501	62697	3654	0.687 6400	52871	3023	0.298 3027	22937	1315
	+			+			+		
9.0	0.670 3804	63176		0.692 9271	52371		0.300 5964	22721	
9.5	0.664 0628	63650	−3710	0.698 1642	51869	+2967	0.302 8685	22502	+1291
10.0	0.657 6978	64119		0.703 3511	51363		0.305 1187	22282	
10.5	0.651 2859	64583	3765	0.708 4874	50853	2910	0.307 3469	22061	1266
11.0	0.644 8276	65042		0.713 5727	50341		0.309 5530	21838	
11.5	0.638 3234	65495	3819	0.718 6068	49825	2852	0.311 7368	21614	1241
12.0	0.631 7739	65944		0.723 5893	49307		0.313 8982	21389	
12.5	0.625 1795	66387	3871	0.728 5200	48785	2793	0.316 0371	21162	1215
13.0	0.618 5408			0.733 3985			0.318 1533		

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908		X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
		+			+			+		
Mai	13.0	0.618 5408	66827		0.733 3985	48262		0.318 1533	20935	
	13.5	0.611 8581	67261	−3923	0.738 2247	47735	+2733	0.320 2468	20706	+1189
	14.0	0.605 1320	67691		0.742 9982	47205		0.322 3174	20476	
	14.5	0.598 3629	68115	3973	0.747 7187	46672	2673	0.324 3650	20245	1163
	15.0	0.591 5514	68536		0.752 3859	46137		0.326 3895	20012	
	15.5	0.584 6978	68952	4022	0.756 9996	45599	2612	0.328 3907	19777	1136
	16.0	0.577 8026	69363		0.761 5595	45059		0.330 3684	19543	
	16.5	0.570 8663	69768	4070	0.766 0654	44515	2550	0.332 3227	19308	1109
	17.0	0.563 8895	70170		0.770 5169	43969		0.334 2535	19071	
	17.5	0.556 8725		4117	0.774 9138		2487	0.336 1606		1082
		+	70568		+	43419		+	18833	
	18.0	0.549 8157	70960		0.779 2557	42867		0.338 0439	18592	
	18.5	0.542 7197	71347	−4163	0.783 5424	42311	+2424	0.339 9031	18350	+1054
	19.0	0.535 5850	71731		0.787 7735	41751		0.341 7381	18108	
	19.5	0.528 4119	72110	4208	0.791 9486	41190	2360	0.343 5489	17864	1026
	20.0	0.521 2009	72484		0.796 0676	40625		0.345 3353	17620	
	20.5	0.513 9525	72853	4251	0.800 1301	40059	2296	0.347 0973	17374	998
	21.0	0.506 6672	73216		0.804 1360	39489		0.348 8347	17127	
	21.5	0.499 3456	73575	4293	0.808 0849	38916	2231	0.350 5474	16879	970
	22.0	0.491 9881	73929		0.811 9765	38340		0.352 2353	16630	
	22.5	0.484 5952		4334	0.815 8105		2165	0.353 8983		941
		+	74278		+	37761		+	16379	
	23.0	0.477 1674	74621		0.819 5866	37179		0.355 5362	16126	
	23.5	0.469 7053	74960	−4374	0.823 3045	36594	+2098	0.357 1488	15872	+912
	24.0	0.462 2093	75294		0.826 9639	36006		0.358 7360	15618	
	24.5	0.454 6799	75621	4412	0.830 5645	35415	2031	0.360 2978	15363	883
	25.0	0.447 1178	75943		0.834 1060	34820		0.361 8341	15106	
	25.5	0.439 5235	76260	4449	0.837 5880	34224	1963	0.363 3447	14847	854
	26.0	0.431 8975	76571		0.841 0104	33624		0.364 8294	14587	
	26.5	0.424 2404	76877	4485	0.844 3728	33023	1894	0.366 2881	14327	824
	27.0	0.416 5527	77177		0.847 6751	32418		0.367 7208	14065	
	27.5	0.408 8350		4520	0.850 9169		1825	0.369 1273		794
		+	77470		+	31812		+	13802	
	28.0	0.401 0880	77758		0.854 0981	31202		0.370 5075	13538	
	28.5	0.393 3122	78040	−4554	0.857 2183	30590	+1756	0.371 8613	13273	+764
	29.0	0.385 5082	78315		0.860 2773	29977		0.373 1886	13007	
	29.5	0.377 6767	78584	4586	0.863 2750	29361	1686	0.374 4893	12740	734
	30.0	0.369 8183	78848		0.866 2111	28742		0.375 7633	12471	
	30.5	0.361 9335	79106	4617	0.869 0853	28122	1616	0.377 0104	12202	703
	31.0	0.354 0229	79357		0.871 8975	27499		0.378 2306	11933	
	31.5	0.346 0872	79602	4647	0.874 6474	26876	1545	0.379 4239	11662	672
Juni	1.0	0.338 1270			0.877 3350			0.380 5901		

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908		*X*		Red. auf 1910.0	*Y*		Red. auf 1910.0	*Z*		Red. auf 1910.0
		+			+			+		
Juni	1.0	0.338 1270	79842		0.877 3350	26251		0.380 5901	11391	
	1.5	0.330 1428	80075	−4675	0.879 9601	25624	+1474	0.381 7292	11119	+641
	2.0	0.322 1353	80302		0.882 5225	24995		0.382 8411	10847	
	2.5	0.314 1051	80523	4702	0.885 0220	24366	1402	0.383 9258	10573	610
	3.0	0.306 0528	80737		0.887 4586	23734		0.384 9831	10299	
	3.5	0.297 9791	80946	4727	0.889 8320	23102	1330	0.386 0130	10024	579
	4.0	0.289 8845	81149		0.892 1422	22468		0.387 0154	9749	
	4.5	0.281 7696	81345	4751	0.894 3890	21833	1258	0.387 9903	9473	547
	5.0	0.273 6351	81536		0.896 5723	21197		0.388 9376	9196	
	5.5	0.265 4815		4774	0.898 6920		1185	0.389 8572		515
		+	81721		+	20559		+	8920	
	6.0	0.257 3094	81899		0.900 7479	19921		0.390 7492	8643	
	6.5	0.249 1195	82072	−4796	0.902 7400	19281	+1112	0.391 6135	8365	+483
	7.0	0.240 9123	82239		0.904 6681	18641		0.392 4500	8087	
	7.5	0.232 6884	82399	4816	0.906 5322	17999	1039	0.393 2587	7808	451
	8.0	0.224 4485	82554		0.908 3321	17357		0.394 0395	7529	
	8.5	0.216 1931	82703	4835	0.910 0678	16715	965	0.394 7924	7250	419
	9.0	0.207 9228	82846		0.911 7393	16071		0.395 5174	6970	
	9.5	0.199 6382	82984	4852	0.913 3464	15426	891	0.396 2144	6691	387
	10.0	0.191 3398	83115		0.914 8890	14782		0.396 8835	6411	
	10.5	0.183 0283		4868	0.916 3672		817	0.397 5246		355
		+	83241		+	14137		+	6130	
	11.0	0.174 7042	83361		0.917 7809	13492		0.398 1376	5850	
	11.5	0.166 3681	83476	−4883	0.919 1301	12846	+ 743	0.398 7226	5570	+323
	12.0	0.158 0205	83584		0.920 4147	12199		0.399 2796	5289	
	12.5	0.149 6621	83688	4896	0.921 6346	11551	668	0.399 8085	5008	291
	13.0	0.141 2933	83786		0.922 7897	10904		0.400 3093	4727	
	13.5	0.132 9147	83878	4908	0.923 8801	10256	593	0.400 7820	4445	258
	14.0	0.124 5269	83966		0.924 9057	9607		0.401 2265	4164	
	14.5	0.116 1303	84048	4919	0.925 8664	8959	518	0.401 6429	3882	226
	15.0	0.107 7255	84125		0.926 7623	8309		0.402 0311	3601	
	15.5	0.099 3130		4928	0.927 5932		443	0.402 3912		193
		+	84195		+	7658		+	3319	
	16.0	0.090 8935	84261		0.928 3590	7007		0.402 7231	3036	
	16.5	0.082 4674	84322	−4936	0.929 0597	6356	+ 368	0.403 0267	2754	+160
	17.0	0.074 0352	84377		0.929 6953	5703		0.403 3021	2471	
	17.5	0.065 5975	84426	4942	0.930 2656	5050	292	0.403 5492	2188	127
	18.0	0.057 1549	84470		0.930 7706	4396		0.403 7680	1905	
	18.5	0.048 7079	84507	4947	0.931 2102	3743	217	0.403 9585	1621	95
	19.0	0.040 2572	84540		0.931 5845	3088		0.404 1206	1337	
	19.5	0.031 8032	84567	4950	0.931 8933	2433	141	0.404 2543	1053	62
	20.0	0.023 3465			0.932 1366			0.404 3596		

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908		X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
		+			+			+		
Juni	20.0	0.023 3465	84587		0.932 1366	1776		0.404 3596	769	
	20.5	0.014 8878	84602	−4952	0.932 3142	1120	+ 66	0.404 4365	485	+ 29
	21.0	0.006 4276			0.932 4262			0.404 4850		
		—	84611		+	462		+	200	
	21.5	0.002 0335	84613	4953	0.932 4724	195	— 10	0.404 5050	85	— 4
	22.0	0.010 4948	84611		0.932 4529	854		0.404 4965	370	
	22.5	0.018 9559	84602	4952	0.932 3675	1513	85	0.404 4595	655	37
	23.0	0.027 4161	84585		0.932 2162	2171		0.404 3940	940	
	23.5	0.035 8746	84563	4950	0.931 9991	2830	161	0.404 3000	1226	70
	24.0	0.044 3309	84535		0.931 7161	3489		0.404 1774	1511	
	24.5	0.052 7844		4947	0.931 3672		236	0.404 0263		103
		—	84501		+	4148		+	1797	
	25.0	0.061 2345	84460		0.930 9524	4806		0.403 8466	2082	
	25.5	0.069 6805	84412	−4942	0.930 4718	5463	— 312	0.403 6384	2368	—136
	26.0	0.078 1217	84359		0.929 9255	6122		0.403 4016	2653	
	26.5	0.086 5576	84300	4936	0.929 3133	6780	387	0.403 1363	2938	169
	27.0	0.094 9876	84233		0.928 6353	7437		0.402 8425	3223	
	27.5	0.103 4109	84161	4928	0.927 8916	8094	463	0.402 5202	3508	201
	28.0	0.111 8270	84082		0.927 0822	8751		0.402 1694	3792	
	28.5	0.120 2352	83996	4919	0.926 2071	9406	538	0.401 7902	4077	234
	29.0	0.128 6348	83905		0.925 2665	10061		0.401 3825	4361	
	29.5	0.137 0253		4909	0.924 2604		613	0.400 9464		267
		—	83807		+	10715		+	4645	
	30.0	0.145 4060	83702		0.923 1889	11367		0.400 4819	4928	
	30.5	0.153 7762	83592	−4897	0.922 0522	12019	— 688	0.399 9891	5211	—300
Juli	1.0	0.162 1354	83476		0.920 8503	12670		0.399 4680	5493	
	1.5	0.170 4830	83353	4884	0.919 5833	13319	762	0.398 9187	5775	332
	2.0	0.178 8183	83224		0.918 2514	13966		0.398 3412	6057	
	2.5	0.187 1407	83090	4870	0.916 8548	14613	837	0.397 7355	6338	364
	3.0	0.195 4497	82949		0.915 3935	15259		0.397 1017	6618	
	3.5	0.203 7446	82802	4854	0.913 8676	15903	911	0.396 4399	6897	396
	4.0	0.212 0248	82649		0.912 2773	16546		0.395 7502	7177	
	4.5	0.220 2897		4837	0.910 6227		985	0.395 0325		428
		—	82490		+	17188		+	7455	
	5.0	0.228 5387	82325		0.908 9039	17828		0.394 2870	7734	
	5.5	0.236 7712	82155	−4818	0.907 1211	18465	—1059	0.393 5136	8011	—460
	6.0	0.244 9867	81979		0.905 2746	19102		0.392 7125	8287	
	6.5	0.253 1846	81798	4798	0.903 3644	19737	1132	0.391 8838	8563	492
	7.0	0.261 3644	81610		0.901 3907	20370		0.391 0275	8838	
	7.5	0.269 5254	81417	4777	0.899 3537	21001	1205	0.390 1437	9112	524
	8.0	0.277 6671	81217		0.897 2536	21630		0.389 2325	9386	
	8.5	0.285 7888	81013	4754	0.895 0906	22258	1278	0.388 2939	9658	556
	9.0	0.293 8901			0.892 8648			0.387 3281		

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X	Diff.	Red. auf 1910.0	Y	Diff.	Red. auf 1910.0	Z	Diff.	Red. auf 1910.0
	—			+			+		
Juli 9.0	0.293 8901			0.892 8648			0.387 3281		
		80803			22883			9930	
9.5	0.301 9704		−4730	0.890 5765		−1350	0.386 3351		− 587
		80588			23507			10201	
10.0	0.310 0292			0.888 2258			0.385 3150		
		80368			24130			10471	
10.5	0.318 0660		4705	0.885 8128		1422	0.384 2679		619
		80142			24749			10740	
11.0	0.326 0802			0.883 3379			0.383 1939		
		79912			25367			11008	
11.5	0.334 0714		4678	0.880 8012		1494	0.382 0931		650
		79676			25982			11275	
12.0	0.342 0390			0.878 2030			0.380 9656		
		79435			26597			11542	
12.5	0.349 9825		4650	0.875 5433		1565	0.379 8114		681
		79189			27210			11807	
13.0	0.357 9014			0.872 8223			0.378 6307		
		78939			27821			12072	
13.5	0.365 7953		4621	0.870 0402		1636	0.377 4235		711
	—	78683		+	28430		+	12336	
14.0	0.373 6636			0.867 1972			0.376 1899		
		78422			29037			12599	
14.5	0.381 5058		−4591	0.864 2935		−1706	0.374 9300		− 742
		78155			29642			12861	
15.0	0.389 3213			0.861 3293			0.373 6439		
		77884			30247			13124	
15.5	0.397 1097		4559	0.858 3046		1776	0.372 3315		772
		77608			30849			13385	
16.0	0.404 8705			0.855 2197			0.370 9930		
		77326			31449			13645	
16.5	0.412 6031		4525	0.852 0748		1845	0.369 6285		802
		77040			32047			13905	
17.0	0.420 3071			0.848 8701			0.368 2380		
		76749			32645			14163	
17.5	0.427 9820		4490	0.845 6056		1914	0.366 8217		832
		76451			33240			14420	
18.0	0.435 6271			0.842 2816			0.365 3797		
		76148			33834			14678	
18.5	0.443 2419		4455	0.838 8982		1982	0.363 9119		862
	—	75841		+	34427		+	14935	
19.0	0.450 8260			0.835 4555			0.362 4184		
		75528			35018			15190	
19.5	0.458 3788		−4419	0.831 9537		−2050	0.360 8994		− 891
		75208			35605			15445	
20.0	0.465 8996			0.828 3932			0.359 3549		
		74883			36191			15699	
20.5	0.473 3879		4381	0.824 7741		2117	0.357 7850		920
		74553			36776			15952	
21.0	0.480 8432			0.821 0965			0.356 1898		
		74217			37357			16203	
21.5	0.488 2649		4342	0.817 3608		2183	0.354 5695		949
		73875			37935			16454	
22.0	0.495 6524			0.813 5673			0.352 9241		
		73528			38513			16705	
22.5	0.503 0052		4301	0.809 7160		2249	0.351 2536		978
		73175			39088			16954	
23.0	0.510 3227			0.805 8072			0.349 5582		
		72817			39660			17201	
23.5	0.517 6044		4259	0.801 8412		2314	0.347 8381		1006
	—	72453		+	40230		+	17448	
24.0	0.524 8497			0.797 8182			0.346 0933		
		72083			40797			17694	
24.5	0.532 0580		−4216	0.793 7385		−2378	0.344 3239		−1034
		71707			41360			17939	
25.0	0.539 2287			0.789 6025			0.342 5300		
		71327			41921			18183	
25.5	0.546 3614		4172	0.785 4104		2442	0.340 7117		1062
		70941			42479			18424	
26.0	0.553 4555			0.781 1625			0.338 8693		
		70549			43034			18665	
26.5	0.560 5104		4126	0.776 8591		2505	0.337 0028		1090
		70151			43585			18904	
27.0	0.567 5255			0.772 5006			0.335 1124		
		69749			44134			19143	
27.5	0.574 5004		4079	0.768 0872		2568	0.333 1981		1117
		69342			44681			19379	
28.0	0.581 4346			0.763 6191			0.331 2602		

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
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Juli 28.0	0.581 4346			0.763 6191			0.331 2602		
28.5	0.588 3274	68928	−4031	0.759 0968	45223	−2630	0.329 2987	19615	−1144
29.0	0.595 1784	68510		0.754 5205	45763		0.327 3139	19848	
29.5	0.601 9870	68086	3982	0.749 8906	46299	2691	0.325 3058	20081	1171
30.0	0.608 7527	67657		0.745 2076	46830		0.323 2745	20313	
30.5	0.615 4751	67224	3932	0.740 4717	47359	2751	0.321 2202	20543	1197
31.0	0.622 1536	66785		0.735 6833	47884		0.319 1432	20770	
31.5	0.628 7877	66341	3881	0.730 8428	48405	2811	0.317 0435	20997	1223
Aug. 1.0	0.635 3770	65893		0.725 9505	48923		0.314 9212	21223	
1.5	0.641 9210	65440	3829	0.721 0068	49437	2870	0.312 7766	21446	1249
	—	64981		+	49947		+	21667	
2.0	0.648 4191			0.716 0121			0.310 6099		
2.5	0.654 8709	64518	−3776	0.710 9668	50453	−2928	0.308 4212	21887	−1274
3.0	0.661 2759	64050		0.705 8712	50956		0.306 2106	22106	
3.5	0.667 6337	63578	3722	0.700 7257	51455	2985	0.303 9784	22322	1298
4.0	0.673 9438	63101		0.695 5308	51949		0.301 7247	22537	
4.5	0.680 2058	62620	3666	0.690 2867	52441	3041	0.299 4496	22751	1322
5.0	0.686 4194	62136		0.684 9938	52929		0.297 1534	22962	
5.5	0.692 5840	61646	3609	0.679 6526	53412	3096	0.294 8361	23173	1346
6.0	0.698 6993	61153		0.674 2636	53890		0.292 4980	23381	
6.5	0.704 7648	60655	3552	0.668 8271	54365	3151	0.290 1393	23587	1370
	—	60152		+	54837		+	23792	
7.0	0.710 7800			0.663 3434			0.287 7601		
7.5	0.716 7446	59646	−3494	0.657 8131	55303	−3205	0.285 3607	23994	−1393
8.0	0.722 6582	59136		0.652 2366	55765		0.282 9412	24195	
8.5	0.728 5205	58623	3434	0.646 6142	56224	3257	0.280 5018	24394	1416
9.0	0.734 3312	58107		0.640 9462	56680		0.278 0427	24591	
9.5	0.740 0897	57585	3373	0.635 2330	57132	3308	0.275 5640	24787	1439
10.0	0.745 7957	57060		0.629 4751	57579		0.273 0659	24981	
10.5	0.751 4489	56532	3312	0.623 6728	58023	3359	0.270 5485	25174	1461
11.0	0.757 0488	55999		0.617 8264	58464		0.268 0121	25364	
11.5	0.762 5951	55463	3250	0.611 9364	58900	3409	0.265 4568	25553	1483
	—	54924		+	59331		+	25741	
12.0	0.768 0875			0.606 0033			0.262 8827		
12.5	0.773 5256	54381	−3186	0.600 0273	59760	−3458	0.260 2900	25927	−1504
13.0	0.778 9091	53835		0.594 0089	60184		0.257 6790	26110	
13.5	0.784 2377	53286	3122	0.587 9483	60606	3506	0.255 0497	26293	1525
14.0	0.789 5109	52732		0.581 8460	61023		0.252 4024	26473	
14.5	0.794 7283	52174	3057	0.575 7022	61438	3552	0.249 7372	26652	1545
15.0	0.799 8896	51613		0.569 5174	61848		0.247 0543	26829	
15.5	0.804 9943	51047	2991	0.563 2919	62255	3598	0.244 3537	27006	1565
16.0	0.810 0421	50478		0.557 0262	62657		0.241 6357	27180	

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908		X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
		—			+			+		
Aug.	16.0	0.810 0421			0.557 0262			0.241 6357		
	16.5	0.815 0325	49904	−2924	0.550 7206	63056	−3643	0.238 9004	27353	−1584
	17.0	0.819 9652	49327		0.544 3754	63452		0.236 1480	27524	
	17.5	0.824 8397	48745	2856	0.537 9912	63842	3687	0.233 3787	27693	1603
	18.0	0.829 6555	48158		0.531 5685	64227		0.230 5926	27861	
	18.5	0.834 4124	47569	2788	0.525 1074	64611	3730	0.227 7900	28026	1622
	19.0	0.839 1100	46976		0.518 6084	64990		0.224 9710	28190	
	19.5	0.843 7480	46380	2719	0.512 0719	65365	3772	0.222 1358	28352	1640
	20.0	0.848 3258	45778		0.505 4985	65734		0.219 2846	28512	
	20.5	0.852 8431	45173	2649	0.498 8887	66098	3812	0.216 4176	28670	1658
		—	44564		+	66457		+	28826	
	21.0	0.857 2995			0.492 2430			0.213 5350		
	21.5	0.861 6945	43950	−2578	0.485 5617	66813	−3851	0.210 6370	28980	−1675
	22.0	0.866 0279	43334		0.478 8453	67164		0.207 7238	29132	
	22.5	0.870 2992	42713	2506	0.472 0943	67510	3890	0.204 7956	29282	1692
	23.0	0.874 5081	42089		0.465 3091	67852		0.201 8525	29431	
	23.5	0.878 6542	41461	2434	0.458 4903	68188	3927	0.198 8948	29577	1708
	24.0	0.882 7372	40830		0.451 6384	68519		0.195 9227	29721	
	24.5	0.886 7567	40195	2361	0.444 7538	68846	3963	0.192 9365	29862	1724
	25.0	0.890 7124	39557		0.437 8371	69167		0.189 9363	30002	
	25.5	0.894 6040	38916	2287	0.430 8888	69483	3998	0.186 9224	30139	1739
		—	38273		+	69793		+	30275	
	26.0	0.898 4313			0.423 9095			0.183 8949		
	26.5	0.902 1939	37626	−2213	0.416 8996	70099	−4032	0.180 8542	30407	−1754
	27.0	0.905 8913	36974		0.409 8596	70400		0.177 8004	30538	
	27.5	0.909 5234	36321	2138	0.402 7901	70695	4065	0.174 7338	30666	1768
	28.0	0.913 0898	35664		0.395 6916	70985		0.171 6545	30793	
	28.5	0.916 5902	35004	2063	0.388 5646	71270	4096	0.168 5628	30917	1782
	29.0	0.920 0243	34341		0.381 4096	71550		0.165 4590	31038	
	29.5	0.923 3919	33676	1987	0.374 2272	71824	4126	0.162 3432	31158	1795
	30.0	0.926 6928	33009		0.367 0179	72093		0.159 2157	31275	
	30.5	0.929 9266	32338	1910	0.359 7824	72355	4155	0.156 0768	31389	1808
		—	31666		+	72612		+	31500	
	31.0	0.933 0932			0.352 5212			0.152 9268		
	31.5	0.936 1922	30990	−1833	0.345 2348	72864	−4183	0.149 7658	31610	−1820
Sept.	1.0	0.939 2235	30313		0.337 9237	73111		0.146 5940	31718	
	1.5	0.942 1868	29633	1755	0.330 5885	73352	4210	0.143 4117	31823	1832
	2.0	0.945 0819	28951		0.323 2297	73588		0.140 2193	31924	
	2.5	0.947 9086	28267	1677	0.315 8480	73817	4236	0.137 0169	32024	1843
	3.0	0.950 6668	27582		0.308 4439	74041		0.133 8047	32122	
	3.5	0.953 3563	26895	1598	0.301 0178	74261	4260	0.130 5829	32218	1854
	4.0	0.955 9768	26205		0.293 5704	74474		0.127 3519	32310	

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
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Sept. 4.0	0.955 9768	25514		0.293 5704	74683		0.127 3519	32401	
4.5	0.958 5282	24822	—1518	0.286 1021	74885	—4283	0.124 1118	32489	—1864
5.0	0.961 0104	24128		0.278 6136	75083		0.120 8629	32574	
5.5	0.963 4232	23432	1438	0.271 1053	75274	4305	0.117 6055	32657	1873
6.0	0.965 7664	22734		0.263 5779	75461		0.114 3398	32739	
6.5	0.968 0398	22035	1358	0.256 0318	75642	4326	0.111 0659	32817	1882
7.0	0.970 2433	21336		0.248 4676	75819		0.107 7842	32893	
7.5	0.972 3769	20634	1278	0.240 8857	75990	4345	0.104 4949	32967	1890
8.0	0.974 4403	19932		0.233 2867	76156		0.101 1982	33039	
8.5	0.976 4335		1197	0.225 6711		4363	0.097 8943		1898
	—	19228		+	76317		+	33109	
9.0	0.978 3563	18523		0.218 0394	76474		0.094 5834	33176	
9.5	0.980 2086	17817	—1116	0.210 3920	76625	—4380	0.091 2658	33241	—1905
10.0	0.981 9903	17109		0.202 7295	76771		0.087 9417	33305	
10.5	0.983 7012	16399	1034	0.195 0524	76913	4396	0.084 6112	33365	1912
11.0	0.985 3411	15689		0.187 3611	77049		0.081 2747	33424	
11.5	0.986 9100	14978	952	0.179 6562	77180	4410	0.077 9323	33480	1918
12.0	0.988 4078	14264		0.171 9382	77305		0.074 5843	33534	
12.5	0.989 8342	13548	870	0.164 2077	77426	4423	0.071 2309	33586	1924
13.0	0.991 1890	12832		0.156 4651	77543		0.067 8723	33636	
13.5	0.992 4722		788	0.148 7108		4435	0.064 5087		1929
	—	12113		+	77653		+	33684	
14.0	0.993 6835	11393		0.140 9455	77759		0.061 1403	33729	
14.5	0.994 8228	10671	—706	0.133 1696	77860	—4445	0.057 7674	33773	—1934
15.0	0.995 8899	9949		0.125 3836	77955		0.054 3901	33814	
15.5	0.996 8848	9224	623	0.117 5881	78043	4454	0.051 0087	33852	1938
16.0	0.997 8072	8497		0.109 7838	78127		0.047 6235	33888	
16.5	0.998 6569	7770	540	0.101 9711	78204	4462	0.044 2347	33922	1941
17.0	0.999 4339	7041		0.094 1507	78277		0.040 8425	33954	
17.5	1.000 1380	6312	457	0.086 3230	78344	4469	0.037 4471	33983	1944
18.0	1.000 7692	5581		0.078 4886	78405		0.034 0488	34009	
18.5	1.001 3273		374	0.070 6481		4475	0.030 6479		1946
	—	4849		+	78460		+	34032	
19.0	1.001 8122	4115		0.062 8021	78510		0.027 2447	34054	
19.5	1.002 2237	3381	—291	0.054 9511	78552	—4479	0.023 8393	34073	—1948
20.0	1.002 5618	2646		0.047 0959	78589		0.020 4320	34089	
20.5	1.002 8264	1911	208	0.039 2370	78620	4482	0.017 0231	34102	1949
21.0	1.003 0175	1174		0.031 3750	78645		0.013 6129	34114	
21.5	1.003 1349	436	124	0.023 5105	78665	4483	0.010 2015	34123	1950
22.0	1.003 1785	302		0.015 6440	78678		0.006 7892	34129	
22.5	1.003 1483		—41	0.007 7762		4483	0.003 3763		1950
	—	1040		—	78686		—	34133	
23.0	1.003 0443			0.000 0924			0.000 0370		

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
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Sept. 23.0	1.003 0443			0.000 0924			0.000 0370		
23.5	1.002 8665	1778	+ 43	0.007 9611	78687	−4482	0.003 4503	34133	−1949
24.0	1.002 6148	2517		0.015 8293	78682		0.006 8635	34132	
24.5	1.002 2891	3257	126	0.023 6964	78671	4479	0.010 2762	34127	1948
25.0	1.001 8895	3996		0.031 5618	78654		0.013 6882	34120	
25.5	1.001 4160	4735	210	0.039 4249	78631	4475	0.017 0992	34110	1946
26.0	1.000 8685	5475		0.047 2850	78601		0.020 5090	34098	
26.5	1.000 2470	6215	293	0.055 1415	78565	4470	0.023 9173	34083	1944
27.0	0.999 5516	6954		0.062 9939	78524		0.027 3238	34065	
27.5	0.998 7824	7692	377	0.070 8415	78476	4463	0.030 7282	34044	1941
	—	8430		—	78421		—	34021	
28.0	0.997 9394			0.078 6836			0.034 1303		
28.5	0.997 0226	9168	+ 460	0.086 5198	78362	−4455	0.037 5298	33995	−1938
29.0	0.996 0321	9905		0.094 3494	78296		0.040 9265	33967	
29.5	0.994 9679	10642	544	0.102 1717	78223	4446	0.044 3201	33936	1934
30.0	0.993 8301	11378		0.109 9862	78145		0.047 7103	33902	
30.5	0.992 6188	12113	627	0.117 7922	78060	4435	0.051 0968	33865	1929
Okt. 1.0	0.991 3342	12846		0.125 5891	77969		0.054 4795	33827	
1.5	0.989 9764	13578	710	0.133 3764	77873	4423	0.057 8580	33785	1924
2.0	0.988 5454	14310		0.141 1534	77770		0.061 2321	33741	
2.5	0.987 0414	15040	793	0.148 9196	77662	4410	0.064 6015	33694	1918
	—	15770		—	77548		—	33644	
3.0	0.985 4644			0.156 6744			0.067 9659		
3.5	0.983 8146	16498	+ 875	0.164 4173	77429	−4396	0.071 3251	33592	−1912
4.0	0.982 0922	17224		0.172 1476	77303		0.074 6788	33537	
4.5	0.980 2973	17949	957	0.179 8648	77172	4380	0.078 0268	33480	1905
5.0	0.978 4300	18673		0.187 5684	77036		0.081 3689	33421	
5.5	0.976 4905	19395	1039	0.195 2578	76894	4363	0.084 7048	33359	1898
6.0	0.974 4790	20115		0.202 9325	76747		0.088 0343	33295	
6.5	0.972 3957	20833	1120	0.210 5920	76595	4345	0.091 3571	33228	1890
7.0	0.970 2408	21549		0.218 2356	76436		0.094 6730	33159	
7.5	0.968 0143	22265	1201	0.225 8629	76273	4325	0.097 9819	33089	1882
	—	22980		—	76104		—	33015	
8.0	0.965 7163			0.233 4733			0.101 2834		
8.5	0.963 3471	23692	+1282	0.241 0664	75931	−4304	0.104 5773	32939	−1873
9.0	0.960 9067	24404		0.248 6415	75751		0.107 8633	32860	
9.5	0.958 3953	25114	1362	0.256 1982	75567	4282	0.111 1413	32780	1863
10.0	0.955 8131	25822		0.263 7360	75378		0.114 4111	32698	
10.5	0.953 1602	26529	1442	0.271 2544	75184	4259	0.117 6724	32613	1853
11.0	0.950 4368	27234		0.278 7529	74985		0.120 9250	32526	
11.5	0.947 6430	27938	1521	0.286 2309	74780	4234	0.124 1687	32437	1842
12.0	0.944 7789	28641		0.293 6878	74569		0.127 4033	32346	

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
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Okt. 12.0	0.944 7789			0.293 6878			0.127 4033		
12.5	0.941 8447	29342	+1600	0.301 1232	74354	−4208	0.130 6285	32252	−1831
13.0	0.938 8405	30042		0.308 5364	74132		0.133 8441	32156	
13.5	0.935 7664	30741	1679	0.315 9270	73906	4181	0.137 0498	32057	1819
14.0	0.932 6225	31439		0.323 2945	73675		0.140 2454	31956	
14.5	0.929 4090	32135	1757	0.330 6382	73437	4153	0.143 4307	31853	1806
15.0	0.926 1261	32829		0.337 9575	73193		0.146 6055	31748	
15.5	0.922 7740	33521	1835	0.345 2520	72945	4123	0.149 7695	31640	1793
16.0	0.919 3530	34210		0.352 5210	72690		0.152 9225	31530	
16.5	0.915 8631	34899	1912	0.359 7640	72430	4092	0.156 0642	31417	1780
	—	35586		—	72165		—	31302	
17.0	0.912 3045			0.366 9805			0.159 1944		
17.5	0.908 6775	36270	+1989	0.374 1697	71892	−4060	0.162 3128	31184	−1766
18.0	0.904 9823	36952		0.381 3311	71614		0.165 4192	31064	
18.5	0.901 2191	37632	2065	0.388 4642	71331	4027	0.168 5134	30942	1751
19.0	0.897 3881	38310		0.395 5685	71043		0.171 5950	30816	
19.5	0.893 4895	38986	2140	0.402 6434	70749	3992	0.174 6639	30689	1736
20.0	0.889 5235	39660		0.409 6882	70448		0.177 7198	30559	
20.5	0.885 4905	40330	2215	0.416 7024	70142	3956	0.180 7624	30426	1720
21.0	0.881 3907	40998		0.423 6854	69830		0.183 7916	30292	
21.5	0.877 2244	41663	2289	0.430 6367	69513	3919	0.186 8070	30154	1704
	—	42326		—	69191		—	30015	
22.0	0.872 9918			0.437 5558			0.189 8085		
22.5	0.868 6932	42986	+2362	0.444 4420	68862	−3881	0.192 7958	29873	−1688
23.0	0.864 3289	43643		0.451 2947	68527		0.195 7686	29728	
23.5	0.859 8992	44297	2435	0.458 1134	68187	3842	0.198 7266	29580	1671
24.0	0.855 4045	44947		0.464 8976	67842		0.201 6696	29430	
24.5	0.850 8451	45594	2507	0.471 6466	67490	3802	0.204 5974	29278	1654
25.0	0.846 2213	46238		0.478 3599	67133		0.207 5098	29124	
25.5	0.841 5334	46879	2578	0.485 0369	66770	3760	0.210 4065	28967	1636
26.0	0.836 7818	47516		0.491 6771	66402		0.213 2873	28808	
26.5	0.831 9668	48150	2648	0.498 2800	66029	3717	0.216 1520	28647	1617
	—	48781		—	65649		—	28483	
27.0	0.827 0887			0.504 8449			0.219 0003		
27.5	0.822 1480	49407	+2718	0.511 3714	65265	−3673	0.221 8319	28316	−1598
28.0	0.817 1452	50028		0.517 8590	64876		0.224 6466	28147	
28.5	0.812 0805	50647	2787	0.524 3072	64482	3628	0.227 4441	27975	1579
29.0	0.806 9544	51261		0.530 7154	64082		0.230 2243	27802	
29.5	0.801 7673	51871	2855	0.537 0831	63677	3582	0.232 9870	27627	1559
30.0	0.796 5196	52477		0.543 4098	63267		0.235 7319	27449	
30.5	0.791 2117	53079	2922	0.549 6951	62853	3535	0.238 4587	27268	1538
31.0	0.785 8441	53676		0.555 9384	62433		0.241 1673	27086	

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
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Okt. 31.0	0.785 8441			0.555 9384			0.241 1673		
31.5	0.780 4171	54270	+2987	0.562 1392	62008	−3487	0.243 8575	26902	−1517
Nov. 1.0	0.774 9312	54859		0.568 2971	61579		0.246 5291	26716	
1.5	0.769 3868	55444	3052	0.574 4116	61145	3438	0.249 1818	26527	1495
2.0	0.763 7844	56024		0.580 4822	60706		0.251 8155	26337	
2.5	0.758 1245	56599	3116	0.586 5086	60264	3388	0.254 4300	26145	1473
3.0	0.752 4074	57171		0.592 4904	59818		0.257 0250	25950	
3.5	0.746 6337	57737	3179	0.598 4271	59367	3337	0.259 6005	25755	1451
4.0	0.740 8037	58300		0.604 3184	58913		0.262 1562	25557	
4.5	0.734 9180	58857	3242	0.610 1637	58453	3284	0.264 6919	25357	1428
	—	59411		—	57989		—	25155	
5.0	0.728 9769			0.615 9626			0.267 2074		
5.5	0.722 9809	59960	+3304	0.621 7147	57521	−3230	0.269 7026	24952	−1405
6.0	0.716 9303	60506		0.627 4195	57048		0.272 1772	24746	
6.5	0.710 8256	61047	3364	0.633 0767	56572	3176	0.274 6312	24540	1381
7.0	0.704 6672	61584		0.638 6859	56092		0.277 0643	24331	
7.5	0.698 4555	62117	3423	0.644 2468	55609	3121	0.279 4764	24121	1357
8.0	0.692 1910	62645		0.649 7589	55121		0.281 8673	23909	
8.5	0.685 8741	63169	3481	0.655 2219	54630	3064	0.284 2368	23695	1333
9.0	0.679 5052	63689		0.660 6353	54134		0.286 5848	23480	
9.5	0.673 0847	64205	3539	0.665 9987	53634	3007	0.288 9111	23263	1308
	—	64716		—	53130		—	23045	
10.0	0.666 6131			0.671 3117			0.291 2156		
10.5	0.660 0908	65223	+3595	0.676 5738	52621	−2949	0.293 4980	22824	−1283
11.0	0.653 5181	65727		0.681 7846	52108		0.295 7581	22601	
11.5	0.646 8955	66226	3650	0.686 9437	51591	2890	0.297 9957	22376	1257
12.0	0.640 2236	66719		0.692 0508	51071		0.300 2108	22151	
12.5	0.633 5027	67209	3704	0.697 1054	50546	2830	0.302 4032	21924	1231
13.0	0.626 7333	67694		0.702 1071	50017		0.304 5727	21695	
13.5	0.619 9158	68175	3756	0.707 0555	49484	2769	0.306 7191	21464	1205
14.0	0.613 0507	68651		0.711 9501	48946		0.308 8422	21231	
14.5	0.606 1386	69121	3808	0.716 7905	48404	2707	0.310 9417	20995	1178
	—	69588		—	47859		—	20758	
15.0	0.599 1798			0.721 5764			0.313 0175		
15.5	0.592 1748	70050	+3859	0.726 3073	47309	−2645	0.315 0695	20520	−1151
16.0	0.585 1242	70506		0.730 9827	46754		0.317 0975	20280	
16.5	0.578 0285	70957	3908	0.735 6023	46196	2582	0.319 1014	20039	1123
17.0	0.570 8882	71403		0.740 1657	45634		0.321 0809	19795	
17.5	0.563 7038	71844	3956	0.744 6724	45067	2518	0.323 0359	19550	1095
18.0	0.556 4758	72280		0.749 1222	44498		0.324 9662	19303	
18.5	0.549 2048	72710	4003	0.753 5146	43924	2453	0.326 8716	19054	1067
19.0	0.541 8914	73134		0.757 8492	43346		0.328 7519	18803	

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
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Nov. 19.0	0.541 8914			0.757 8492			0.328 7519		
19.5	0.534 5360	73554	+4049	0.762 1256	42764	—2387	0.330 6071	18552	—1039
20.0	0.527 1392	73968		0.766 3435	42179		0.332 4369	18298	
20.5	0.519 7015	74377	4093	0.770 5024	41589	2321	0.334 2412	18043	1010
21.0	0.512 2236	74779		0.774 6020	40996		0.336 0198	17786	
21.5	0.504 7060	75176	4137	0.778 6419	40399	2254	0.337 7725	17527	981
22.0	0.497 1493	75567		0.782 6217	39798		0.339 4991	17266	
22.5	0.489 5541	75952	4179	0.786 5411	39194	2186	0.341 1996	17005	951
23.0	0.481 9210	76331		0.790 3998	38587		0.342 8738	16742	
23.5	0.474 2505	76705	4220	0.794 1974	37976	2118	0.344 5215	16477	921
	—	77071		—	37362		—	16211	
24.0	0.466 5434			0.797 9336			0.346 1426		
24.5	0.458 8003	77431	+4259	0.801 6080	36744	—2049	0.347 7370	15944	— 891
25.0	0.451 0218	77785		0.805 2203	36123		0.349 3044	15674	
25.5	0.443 2085	78133	4297	0.808 7702	35499	1979	0.350 8447	15403	861
26.0	0.435 3610	78475		0.812 2574	34872		0.352 3578	15131	
26.5	0.427 4801	78809	4334	0.815 6817	34243	1909	0.353 8436	14858	830
27.0	0.419 5663	79138		0.819 0428	33611		0.355 3020	14584	
27.5	0.411 6203	79460	4369	0.822 3404	32976	1838	0.356 7328	14308	799
28.0	0.403 6428	79775		0.825 5743	32339		0.358 1360	14032	
28.5	0.395 6344	80084	4403	0.828 7442	31699	1767	0.359 5114	13754	768
	—	80386		—	31057		—	13476	
29.0	0.387 5958			0.831 8499			0.360 8590		
29.5	0.379 5277	80681	+4436	0.834 8911	30412	—1695	0.362 1785	13195	— 737
30.0	0.371 4307	80970		0.837 8676	29765		0.363 4699	12914	
30.5	0.363 3053	81254	4467	0.840 7794	29118	1623	0.364 7332	12633	706
Dez. 1.0	0.355 1523	81530		0.843 6262	28468		0.365 9682	12350	
1.5	0.346 9723	81800	4497	0.846 4077	27815	1550	0.367 1749	12067	674
2.0	0.338 7659	82064		0.849 1237	27160		0.368 3531	11782	
2.5	0.330 5338	82321	4525	0.851 7742	26505	1476	0.369 5028	11497	642
3.0	0.322 2767	82571		0.854 3590	25848		0.370 6240	11212	
3.5	0.313 9950	82817	4552	0.856 8779	25189	1402	0.371 7165	10925	610
	—	83056		—	24527		—	10638	
4.0	0.305 6894			0.859 3306			0.372 7803		
4.5	0.297 3606	83288	+4578	0.861 7170	23864	—1328	0.373 8153	10350	— 577
5.0	0.289 0091	83515		0.864 0370	23200		0.374 8215	10062	
5.5	0.280 6355	83736	4602	0.866 2905	22535	1253	0.375 7988	9773	545
6.0	0.272 2405	83950		0.868 4772	21867		0.376 7471	9483	
6.5	0.263 8247	84158	4625	0.870 5970	21198	1178	0.377 6663	9192	512
7.0	0.255 3887	84360		0.872 6498	20528		0.378 5564	8901	
7.5	0.246 9331	84556	4646	0.874 6354	19856	1103	0.379 4174	8610	479
8.0	0.238 4584	84747		0.876 5536	19182		0.380 2493	8319	

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
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Dez. 8.0	0.238 4584			0.876 5536			0.380 2493		
8.5	0.229 9653	84931	+4666	0.878 4044	18508	−1027	0.381 0518	8025	−446
9.0	0.221 4544	85109		0.880 1874	17830		0.381 8249	7731	
9.5	0.212 9263	85281	4685	0.881 9025	17151	951	0.382 5686	7437	413
10.0	0.204 3816	85447		0.883 5496	16471		0.383 2828	7142	
10.5	0.195 8210	85606	4702	0.885 1286	15790	874	0.383 9674	6846	380
11.0	0.187 2450	85760		0.886 6393	15107		0.384 6224	6550	
11.5	0.178 6543	85907	4718	0.888 0815	14422	797	0.385 2478	6254	346
12.0	0.170 0495	86048		0.889 4552	13737		0.385 8434	5956	
12.5	0.161 4312	86183	4732	0.890 7601	13049	720	0.386 4092	5658	313
	—	86311		—	12360		—	5360	
13.0	0.152 8001			0.891 9961			0.386 9452		
13.5	0.144 1569	86432	+4745	0.893 1631	11670	− 643	0.387 4513	5061	− 279
14.0	0.135 5022	86547		0.894 2610	10979		0.387 9274	4761	
14.5	0.126 8366	86656	4756	0.895 2896	10286	565	0.388 3735	4461	246
15.0	0.118 1609	86757		0.896 2487	9591		0.388 7895	4160	
15.5	0.109 4756	86853	4766	0.897 1383	8896	488	0.389 1754	3859	212
16.0	0.100 7814	86942		0.897 9582	8199		0.389 5312	3558	
16.5	0.092 0791	87023	4774	0.898 7084	7502	410	0.389 8567	3255	179
17.0	0.083 3692	87099		0.899 3888	6804		0.390 1519	2952	
17.5	0.074 6525	87167	4781	0.899 9992	6104	332	0.390 4168	2649	145
	—	87229		—	5404		—	2346	
18.0	0.065 9296			0.900 5396			0.390 6514		
18.5	0.057 2012	87284	+4786	0.901 0099	4703	− 254	0.390 8556	2042	− 111
19.0	0.048 4680	87332		0.901 4100	4001		0.391 0294	1738	
19.5	0.039 7307	87373	4790	0.901 7398	3298	176	0.391 1727	1433	77
20.0	0.030 9900	87407		0.901 9993	2595		0.391 2856	1129	
20.5	0.022 2467	87433	4793	0.902 1884	1891	98	0.391 3679	823	43
21.0	0.013 5014	87453		0.902 3071	1187		0.391 4197	518	
21.5	0.004 7549	87465	4794	0.902 3553	482	− 20	0.391 4409	212	− 9
	+	87470		—	224		—	93	
22.0	0.003 9921			0.902 3329			0.391 4316		
22.5	0.012 7389	87468	4793	0.902 2400	929	+ 58	0.391 3917	399	+ 25
	+	87459		—	1634		—	705	
23.0	0.021 4848			0.902 0766			0.391 3212		
23.5	0.030 2290	87442	+4791	0.901 8426	2340	+ 136	0.391 2201	1011	+ 59
24.0	0.038 9707	87417		0.901 5381	3045		0.391 0884	1317	
24.5	0.047 7092	87385	4787	0.901 1631	3750	214	0.390 9260	1624	93
25.0	0.056 4439	87347		0.900 7177	4454		0.390 7331	1929	
25.5	0.065 1740	87301	4782	0.900 2018	5159	292	0.390 5096	2235	127
26.0	0.073 8988	87248		0.899 6156	5862		0.390 2556	2540	
26.5	0.082 6175	87187	4775	0.898 9591	6565	370	0.389 9710	2846	161
27.0	0.091 3295	87120		0.898 2324	7267		0.389 6560	3150	

Mittl. Äquator und Mittl. Äquinoktium 1908.0.

1908	X	Diff.	Red. auf 1910.0	Y	Diff.	Red. auf 1910.0	Z	Diff.	Red. auf 1910.0
	+			−			−		
Dez. 27.0	0.091 3295	87044		0.898 2324	7968		0.389 6560	3455	
27.5	0.100 0339	86962	+4767	0.897 4356	8667	+ 448	0.389 3105	3759	+195
28.0	0.108 7301	86873		0.896 5689	9365		0.388 9346	4063	
28.5	0.117 4174	86778	4758	0.895 6324	10063	526	0.388 5283	4366	229
29.0	0.126 0952	86676		0.894 6261	10759		0.388 0917	4668	
29.5	0.134 7628	86567	4747	0.893 5502	11454	604	0.387 6249	4969	263
30.0	0.143 4195	86450		0.892 4048	12149		0.387 1280	5270	
30.5	0.152 0645	86328	4734	0.891 1899	12842	681	0.386 6010	5571	296
31.0	0.160 6973	86200		0.889 9057	13532		0.386 0439	5871	
31.5	0.169 3173	86064	4720	0.888 5525	14221	758	0.385 4568	6171	330
	+			−			−		
32.0	0.177 9237	85922		0.887 1304	14909		0.384 8397	6470	
32.5	0.186 5159	85774	+4704	0.885 6395	15595	+ 835	0.384 1927	6768	+363
33.0	0.195 0933	85619		0.884 0800	16279		0.383 5159	7065	
33.5	0.203 6552	85458	4687	0.882 4521	16962	912	0.382 8094	7362	396
34.0	0.212 2010	85292		0.880 7559	17644		0.382 0732	7658	
34.5	0.220 7302	85118	4669	0.878 9915	18324	988	0.381 3074	7953	429
35.0	0.229 2420	84939		0.877 1591	19004		0.380 5121	8248	
35.5	0.237 7359	84754	4649	0.875 2587	19681	1064	0.379 6873	8541	462
36.0	0.246 2113	84562		0.873 2906	20357		0.378 8332	8834	
36.5	0.254 6675		4628	0.871 2549		1139	0.377 9498		495

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Jan. 1.0	16 17 58.19	30 6.69	−18 1 37.5	−1 37 21.6	8.24102	+290	16 19.1
1.5	16 48 4.88	31 4.57	19 38 59.1	1 19 8.3	8.24392	251	16 25.7
2.0	17 19 9.45	31 54.41	20 58 7.4	0 58 13.4	8.24643	206	16 31.4
2.5	17 51 3.86	32 32.26	21 56 20.8	0 35 5.2	8.24849	153	16 36.1
3.0	18 23 36.12	32 54.65	22 31 26.0	−0 10 26.0	8.25002	96	16 39.6
3.5	18 56 30.77	32 59.63	22 41 52.0	+0 14 52.1	8.25098	+ 36	16 41.8
4.0	19 29 30.40	32 46.86	22 26 59.9	0 39 50.7	8.25134	− 22	16 42.7
4.5	20 2 17.26	32 17.95	21 47 9.2	1 3 34.6	8.25112	80	16 42.2
5.0	20 34 35.21	31 35.89	20 43 34.6	1 25 15.6	8.25032	136	16 40.3
5.5	21 6 11.10	30 44.60	19 18 19.0	+1 44 19.0	8.24896	−185	16 37.2
6.0	21 36 55.70	29 48.22	−17 34 0.0	2 0 24.0	8.24711	228	16 33.0
6.5	22 6 43.92	28 50.54	15 33 36.0	2 13 22.9	8.24483	264	16 27.8
7.0	22 35 34.46	27 54.71	13 20 13.1	2 23 18.5	8.24219	292	16 21.8
7.5	23 3 29.17	27 3.08	10 56 54.6	2 30 21.2	8.23927	312	16 15.2
8.0	23 30 32.25	26 17.27	8 26 33.4	2 34 45.5	8.23615	325	16 8.2
8.5	23 56 49.52	25 38.25	5 51 47.9	2 36 47.8	8.23290	330	16 1.0
9.0	0 22 27.77	25 6.46	3 15 0.1	2 36 44.1	8.22960	330	15 53.7
9.5	0 47 34.23	24 42.04	− 0 38 16.0	2 34 48.5	8.22630	324	15 46.5
10.0	1 12 16.27	24 24.76	+ 1 56 32.5	2 31 13.8	8.22306	313	15 39.5
10.5	1 36 41.03	24 14.26	4 27 46.3	+2 26 9.6	8.21993	−299	15 32.7
11.0	2 0 55.29	24 9.95	+ 6 53 55.9	2 19 44.5	8.21694	281	15 26.3
11.5	2 25 5.24	24 11.21	9 13 40.4	2 12 4.3	8.21413	262	15 20.3
12.0	2 49 16.45	24 17.20	11 25 44.7	2 3 13.5	8.21151	242	15 14.8
12.5	3 13 33.65	24 27.01	13 28 58.2	1 53 16.0	8.20909	220	15 9.7
13.0	3 38 0.66	24 39.59	15 22 14.2	1 42 14.9	8.20689	199	15 5.1
13.5	4 2 40.25	24 53.81	17 4 29.1	1 30 14.4	8.20490	177	15 1.0
14.0	4 27 34.06	25 8.47	18 34 43.5	1 17 18.9	8.20313	157	14 57.3
14.5	4 52 42.53	25 22.28	19 52 2.4	1 3 34.2	8.20156	137	14 54.1
15.0	5 18 4.81	25 34.06	20 55 36.6	0 49 7.7	8.20019	117	14 51.3
15.5	5 43 38.87	25 42.69	21 44 44.3	+0 34 8.8	8.19902	− 98	14 48.9
16.0	6 9 21.56	25 47.31	+22 18 53.1	0 18 48.3	8.19804	80	14 46.9
16.5	6 35 8.87	25 47.32	22 37 41.4	+0 3 18.4	8.19724	63	14 45.2
17.0	7 0 56.19	25 42.49	22 40 59.8	−0 12 8.2	8.19661	46	14 44.0
17.5	7 26 38.68	25 32.93	22 28 51.6	0 27 18.7	8.19615	29	14 43.0
18.0	7 52 11.61	25 19.09	22 1 32.9	0 42 0.8	8.19586	− 12	14 42.4
18.5	8 17 30.70	25 1.73	21 19 32.1	0 56 3.4	8.19574	+ 4	14 42.2
19.0	8 42 32.43	24 41.87	20 23 28.7	1 9 17.8	8.19578	22	14 42.3
19.5	9 7 14.30	24 20.60	19 14 10.9	1 21 36.8	8.19600	39	14 42.7
20.0	9 31 34.90	23 59.09	17 52 34.1	1 32 55.6	8.19639	58	14 43.5
20.5	9 55 33.99		16 19 38.5		8.19697		14 44.7

Jan. 3 10ʰ 37.0ᵐ Neumond. Jan. 10 2ʰ 46.5ᵐ Erst. Viert. Jan. 18 2ʰ 30.5ᵐ Vollmond.

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1^h Länge	Dekl.	Bew. in 1^h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Gr.
	h m	h m s	s	s	° ′	′	h m	° ′	
Jan. 1 *U*	10 2.6	16 43 6	+72.79	158.65	−19 24.3	− 7.9			
O	22 32.8	17 15 21	+74.01	163.89	−20 49.6	− 6.2			
2 *U*	11 4.0	17 48 34	+75.01	168.20	−21 52.6	− 4.2			
O	23 35.9	18 22 30	+75.69	171.16	−22 30.6	− 2.1			
3 *U*	12 8.2	18 56 53	−75.99	172.44	−22 41.8	+ 0.2			
—	—	—	—	—	—	—			
4 *O*	0 40.6	19 31 22	−75.89	172.03	−22 25.4	+ 2.5			
U	13 12.7	20 5 35	−75.41	169.91	−21 41.8	+ 4.7			
5 *O*	1 44.3	20 39 13	−74.60	166.35	−20 32.5	+ 6.8			
U	14 15.1	21 12 1	−73.54	161.74	−19 0.1	+ 8.6			
6 *O*	2 44.9	21 43 50	−72.32	156.51	−17 7.7	+10.1			
U	15 13.5	22 14 35	−71.03	151.08	−14 58.9	+11.3			
7 *O*	3 41.1	22 44 15	−69.76	145.79	−12 37.1	+12.2			
U	16 7.7	23 12 53	−68.56	140.89	−10 5.8	+12.9			
8 *O*	4 33.4	23 40 36	−67.49	136.55	− 7 28.1	+13.3	23 11.0	− 9 35	4.5
U	16 58.3	0 7 31	−66.56	132.86	− 4 47.0	+13.5	23 14.2	−10 7	5.2
9 *O*	5 22.5	0 33 46	−65.80	129.87	− 2 4.7	+13.5	0 5.6	− 5 46	5.9
U	17 46.2	0 59 29	−65.22	127.58	+ 0 36.5	+13.3	0 19.8	− 2 44	6.0
10 *O*	6 9.5	1 24 50	−64.79	125.97	+ 3 14.7	+13.0	0 59.1	+ 0 52	6.0
U	18 32.6	1 49 55	−64.53	125.01	+ 5 48.2	+12.5	1 5.8	+ 1 57	6.3
11 *O*	6 55.5	2 14 52	−64.42	124.65	+ 8 15.4	+12.0	1 36.6	+ 5 1	4.7
U	19 18.4	2 39 48	−64.45	124.80	+10 35.1	+11.3	2 6.5	+ 8 8	5.7
12 *O*	7 41.4	3 4 49	−64.59	125.39	+12 45.8	+10.5	2 31.6	+12 3	5.6
U	20 4.5	3 29 59	−64.81	126.34	+14 46.3	+ 9.6	2 39.9	+12 4	5.2
13 *O*	8 27.8	3 55 23	−65.09	127.54	+16 35.6	+ 8.6	3 34.2	+16 14	6.4
U	20 51.4	4 21 1	−65.41	128.86	+18 12.3	+ 7.5	3 47.9	+17 3	6.0
14 *O*	9 15.3	4 46 56	−65.72	130.21	+19 35.5	+ 6.3	4 19.6	+18 50	6.5
U	21 39.5	5 13 7	−66.00	131.45	+20 44.3	+ 5.1	4 23.2	+18 59	3.7
15 *O*	10 3.8	5 39 31	−66.23	132.47	+21 37.8	+ 3.8	5 13.8	+20 2	6.5
U	22 28.3	6 6 5	−66.37	133.15	+22 15.4	+ 2.4	5 22.1	+21 52	4.8
16 *O*	10 53.0	6 32 45	−66.42	133.42	+22 36.6	+ 1.1	6 4.0	+22 12	6.5
U	23 17.6	6 59 25	−66.35	133.24	+22 41.2	− 0.3	6 9.3	+22 32	var.
17 *O*	11 42.1	7 26 0	−66.17	132.60	+22 29.3	− 1.7	6 59.8	+22 47	5.9
—	—	—	—	—	—	—	7 14.6	+22 9	3.6
18 *U*	0 6.5	7 52 25	−65.88	131.53	+22 1.2	− 3.0	7 58.4	+22 20	6.3
O	12 30.7	8 18 35	+65.51	130.00	+21 17.4	− 4.3	8 2.4	+21 51	5.4
19 *U*	0 54.5	8 44 25	+65.06	128.25	+20 18.7	− 5.5	8 38.0	+21 48	4.8
O	13 17.9	9 9 53	+64.57	126.32	+19 5.9	− 6.6	8 45.5	+19 11	6.5
20 *U*	1 40.9	9 34 58	+64.07	124.34	+17 40.2	− 7.7	9 32.0	+16 51	5.9
O	14 3.5	9 59 39	+63.58	122.41	+16 2.6	− 8.6	9 39.4	+19 17	6.5

Jan. 4 1^h Perigäum. Jan. 18 15^h Apogäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Jan. 20.0	9 31 34.90	23 59.09	+17 52 34.1	−1 32 55.6	8.19639	+58	14 43.5
20.5	9 55 33.99	23 38.48	16 19 38.5	1 43 10.3	8.19697	78	14 44.7
21.0	10 19 12.47	23 19.81	14 36 28.2	1 52 19.3	8.19775	99	14 46.2
21.5	10 42 32.28	23 4.09	12 44 8.9	2 0 22.3	8.19874	121	14 48.3
22.0	11 5 36.37	22 52.16	10 43 46.6	2 7 19.0	8.19995	144	14 50.8
22.5	11 28 28.53	22 44.79	8 36 27.6	2 13 9.2	8.20139	168	14 53.7
23.0	11 51 13.32	22 42.60	6 23 18.4	2 17 52.6	8.20307	192	14 57.2
23.5	12 13 55.92	22 46.21	4 5 25.8	2 21 28.2	8.20499	216	15 1.2
24.0	12 36 42.13	22 56.07	+ 1 43 57.6	2 23 53.5	8.20715	240	15 5.7
24.5	12 59 38.20	23 12.59	− 0 39 55.9	−2 25 4.5	8.20955	+264	15 10.7
25.0	13 22 50.79	23 36.10	− 3 5 0.4	2 24 55.1	8.21219	287	15 16.2
25.5	13 46 26.89	24 6.80	5 29 55.5	2 23 17.4	8.21506	306	15 22.3
26.0	14 10 33.69	24 44.70	7 53 12.9	2 20 1.6	8.21812	323	15 28.8
26.5	14 35 18.39	25 29.59	10 13 14.5	2 14 55.5	8.22135	338	15 35.8
27.0	15 0 47.98	26 20.83	12 28 10.0	2 7 45.5	8.22473	345	15 43.1
27.5	15 27 8.81	27 17.36	14 35 55.5	1 58 18.2	8.22818	348	15 50.6
28.0	15 54 26.17	28 17.49	16 34 13.7	1 46 21.1	8.23166	344	15 58.3
28.5	16 22 43.66	29 18.87	18 20 34.8	1 31 44.9	8.23510	332	16 5.9
29.0	16 52 2.53	30 18.34	19 52 19.7	1 14 27.6	8.23842	314	16 13.3
29.5	17 22 20.87	31 12.28	21 6 47.3	−0 54 35.7	8.24156	+287	16 20.4
30.0	17 53 33.15	31 56.87	−22 1 23.0	0 32 28.3	8.24443	251	16 26.8
30.5	18 25 30.02	32 28.54	22 33 51.3	−0 8 37.3	8.24694	208	16 32.5
31.0	18 57 58.56	32 44.65	22 42 28.6	+0 16 13.2	8.24902	158	16 37.3
31.5	19 30 43.21	32 44.07	22 26 15.4	0 41 11.0	8.25060	103	16 41.0
Febr. 1.0	20 3 27.28	32 27.27	21 45 4.4	1 5 20.4	8.25163	+ 43	16 43.4
1.5	20 35 54.55	31 56.36	20 39 44.0	1 27 49.1	8.25206	− 18	16 44.4
2.0	21 7 50.91	31 14.57	19 11 54.9	1 47 54.1	8.25188	79	16 43.9
2.5	21 39 5.48	30 25.63	17 24 0.8	2 5 4.3	8.25109	137	16 42.1
3.0	22 9 31.11	29 33.36	15 18 56.5	2 19 2.0	8.24972	190	16 39.0
3.5	22 39 4.47	28 41.02	12 59 54.5	+2 29 41.6	8.24782	−239	16 34.6
4.0	23 7 45.49	27 51.28	−10 30 12.9	2 37 8.3	8.24543	281	16 29.1
4.5	23 35 36.77	27 6.05	7 53 4.6	2 41 33.6	8.24262	313	16 22.8
5.0	0 2 42.82	26 26.60	5 11 31.0	2 43 13.9	8.23949	338	16 15.7
5.5	0 29 9.42	25 53.60	− 2 28 17.1	2 42 26.8	8.23611	354	16 8.1
6.0	0 55 3.02	25 27.34	+ 0 14 9.7	2 39 29.8	8.23257	362	16 0.3
6.5	1 20 30.36	25 7.72	2 53 39.5	2 34 40.1	8.22895	363	15 52.3
7.0	1 45 38.08	24 54.47	5 28 19.6	2 28 12.1	8.22532	356	15 44.4
7.5	2 10 32.55	24 47.06	7 56 31.7	2 20 17.6	8.22176	344	15 36.7
8.0	2 35 19.61	24 44.82	10 16 49.3	2 11 7.4	8.21832	327	15 29.3
8.5	3 0 4.43		12 27 56.7		8.21505		15 22.3

Jan. 26 $3^h 54^m.9$ Letzt. Viert. Febr. 1 $21^h 30^m.1$ Neumond. Febr. 8 $17^h 21^m.1$ Erst. Viert.

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
	h m	h m s	s	s	° ′	′	h m	° ′	
Jan. 20 U	1 40.9	9 34 58	+64.07	124.34	+17 40.2	— 7.7	9 32.0	+16 51	5.9
O	14 3.5	9 59 39	+63.58	122.41	+16 2.6	— 8.6	9 39.4	+19 17	6.5
21 U	2 25.8	10 23 57	+63.13	120.64	+14 14.4	— 9.4	10 16.9	+15 26	6.2
O	14 47.8	10 47 56	+62.75	119.12	+12 16.8	—10.2	10 27.3	+14 37	5.7
22 U	3 9.5	11 11 38	+62.47	117.94	+10 10.9	—10.8	10 59.7	+13 10	6.5
O	15 31.0	11 35 9	+62.30	117.18	+ 7 58.0	—11.3	11 19.1	+11 2	4.0
23 U	3 52.3	11 58 33	+62.25	116.90	+ 5 39.3	—11.8	11 56.2	+ 7 8	4.6
O	16 13.6	12 21 57	+62.35	117.15	+ 3 15.9	—12.1	12 5.4	+ 6 19	5.7
24 U	4 35.1	12 45 26	+62.60	117.98	+ 0 49.2	—12.3	12 33.7	+ 2 22	6.1
O	16 56.9	13 9 10	+63.01	119.44	— 1 39.7	—12.5	12 37.0	— 0 57	3.0
25 U	5 18.9	13 33 15	+63.60	121.56	— 4 9.3	—12.5	13 30.7	— 4 56	5.8
O	17 41.4	13 57 49	+64.36	124.36	— 6 38.2	—12.3	13 39.1	— 5 2	6.4
26 U	6 4.6	14 23 0	+65.29	127.85	— 9 4.6	—12.0	14 12.5	— 8 36	6.5
O	18 28.5	14 48 58	+66.38	132.02	—11 26.8	—11.6	14 32.1	—11 55	6.0
27 U	6 53.3	15 15 49	+67.60	136.81	—13 42.5	—11.0	15 17.9	—14 48	6.8
O	19 19.1	15 43 40	+68.92	142.12	—15 49.4	—10.1	15 23.0	—16 24	6.0
28 U	7 46.0	16 12 38	+70.30	147.77	—17 44.6	— 9.0	16 13.7	—20 0	6.0
O	20 14.1	16 42 44	+71.68	153.53	—19 25.3	— 7.7	16 18.7	—19 49	4.6
29 U	8 43.3	17 13 58	+72.99	159.05	—20 48.3	— 6.1			
O	21 13.5	17 46 16	+74.13	163.96	—21 50.7	— 4.2			
30 U	9 44.6	18 19 27	+75.01	167.85	—22 29.6	— 2.2			
O	22 16.4	18 53 17	+75.56	170.36	—22 42.8	0.0			
31 U	10 48.6	19 27 28	+75.75	171.25	—22 29.0	+ 2.3			
O	23 20.7	20 1 41	+75.57	170.49	—21 48.0	+ 4.5			
Febr. 1 U	11 52.6	20 35 35	+75.04	168.19	—20 40.5	+ 6.6			
—	—	—	—	—	—	—			
2 O	0 23.8	21 8 54	—74.21	164.80	—19 8.6	+ 8.6			
U	12 54.2	21 41 25	—73.18	160.43	—17 15.1	+10.3			
3 O	1 23.8	22 13 0	—72.03	155.58	—15 3.4	+11.6			
U	13 52.4	22 43 36	—70.85	150.63	—12 37.2	+12.7			
4 O	2 19.9	23 13 14	—69.70	145.87	—10 0.2	+13.4			
U	14 46.6	23 41 57	—68.64	141.50	— 7 16.0	+13.9			
5 O	3 12.5	0 9 51	—67.71	137.68	— 4 27.9	+14.1			
U	15 37.6	0 37 2	—66.93	134.48	— 1 39.0	+14.0			
6 O	4 2.2	1 3 39	—66.30	131.93	+ 1 8.2	+13.8	0 30.8	— 1 1	6.0
U	16 26.4	1 29 50	—65.83	130.02	+ 3 51.5	+13.4	0 48.3	— 1 39	4.9
7 O	4 50.2	1 55 42	—65.52	128.72	+ 6 28.9	+12.8	1 13.0	+ 3 8	5.3
U	17 13.8	2 21 21	—65.35	127.99	+ 8 58.7	+12.1	1 36.6	+ 5 1	4.7
8 O	5 37.3	2 46 55	—65.30	127.76	+11 19.5	+11.3	2 19.9	+10 12	5.5
U	18 0.8	3 12 29	—65.35	127.95	+13 29.9	+10.4	2 24.7	+ 9 9	6.3

Febr. 1 15h Perigäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Febr. 8.0	2 35 19.61	24 44.82	+10 16 49.3	+2 11 7.4	8.21832	−327	15 29.3
8.5	3 0 4.43	24 47.02	12 27 56.7	2 0 49.7	8.21505	307	15 22.3
9.0	3 24 51.45	24 52.70	14 28 46.4	1 49 31.1	8.21198	282	15 15.8
9.5	3 49 44.15	25 0.92	16 18 17.5	1 37 17.9	8.20916	256	15 9.9
10.0	4 14 45.07	25 10.60	17 55 35.4	1 24 15.5	8.20660	228	15 4.5
10.5	4 39 55.67	25 20.59	19 19 50.9	1 10 29.9	8.20432	200	14 59.8
11.0	5 5 16.26	25 29.82	20 30 20.8	0 56 7.2	8.20232	171	14 55.7
11.5	5 30 46.08	25 37.25	21 26 28.0	0 41 14.9	8.20061	144	14 52.1
12.0	5 56 23.33	25 41.95	22 7 42.9	0 26 1.5	8.19917	115	14 49.2
12.5	6 22 5.28	25 43.19	22 33 44.4	+0 10 36.2	8.19802	− 89	14 46.8
13.0	6 47 48.47	25 40.56	+22 44 20.6	−0 4 50.7	8.19713	64	14 45.0
13.5	7 13 29.03	25 33.87	22 39 29.9	0 20 8.3	8.19649	40	14 43.7
14.0	7 39 2.90	25 23.26	22 19 21.6	0 35 5.4	8.19609	− 18	14 42.9
14.5	8 4 26.16	25 9.20	21 44 16.2	0 49 31.9	8.19591	+ 3	14 42.5
15.0	8 29 35.36	24 52.36	20 54 44.3	1 3 17.9	8.19594	23	14 42.6
15.5	8 54 27.72	24 33.58	19 51 26.4	1 16 15.1	8.19617	40	14 43.1
16.0	9 19 1.30	24 13.86	18 35 11.3	1 28 16.5	8.19657	57	14 43.9
16.5	9 43 15.16	23 54.18	17 6 54.8	1 39 16.6	8.19714	73	14 45.0
17.0	10 7 9.34	23 35.48	15 27 38.2	1 49 11.0	8.19787	88	14 46.5
17.5	10 30 44.82	23 18.75	13 38 27.2	−1 57 56.6	8.19875	+103	14 48.3
18.0	10 54 3.57	23 4.80	+11 40 30.6	2 5 31.5	8.19978	118	14 50.4
18.5	11 17 8.37	22 54.37	9 34 59.1	2 11 54.2	8.20096	132	14 52.9
19.0	11 40 2.74	22 48.12	7 23 4.9	2 17 3.3	8.20228	146	14 55.6
19.5	12 2 50.86	22 46.62	5 6 1.6	2 20 57.4	8.20374	160	14 58.6
20.0	12 25 37.48	22 50.36	2 45 4.2	2 23 35.0	8.20534	175	15 1.9
20.5	12 48 27.84	22 59.77	+ 0 21 29.2	2 24 53.9	8.20709	191	15 5.5
21.0	13 11 27.61	23 15.14	− 2 3 24.7	2 24 50.8	8.20900	206	15 9.5
21.5	13 34 42.75	23 36.72	4 28 15.5	2 23 21.3	8.21106	221	15 13.9
22.0	13 58 19.47	24 4.60	6 51 36.8	2 20 19.7	8.21327	236	15 18.5
22.5	14 22 24.07	24 38.74	9 11 56.5	−2 15 39.3	8.21563	+250	15 23.5
23.0	14 47 2.81	25 18.83	−11 27 35.8	2 9 12.0	8.21813	262	15 28.9
23.5	15 12 21.64	26 4.23	13 36 47.8	2 0 49.0	8.22075	273	15 34.5
24.0	15 38 25.87	26 53.97	15 37 36.8	1 50 22.0	8.22348	282	15 40.4
24.5	16 5 19.84	27 46.54	17 27 58.8	1 37 43.5	8.22630	287	15 46.5
25.0	16 33 6.38	28 39.92	19 5 42.3	1 22 49.2	8.22917	288	15 52.8
25.5	17 1 46.30	29 31.62	20 28 31.5	1 5 39.6	8.23205	284	15 59.1
26.0	17 31 17.92	30 18.74	21 34 11.1	0 46 22.1	8.23489	274	16 5.4
26.5	18 1 36.66	30 58.27	22 20 33.2	0 25 12.6	8.23763	258	16 11.5
27.0	18 32 34.93	31 27.47	22 45 45.8	−0 2 36.1	8.24021	237	16 17.3
27.5	19 4 2.40		22 48 21.9		8.24258		16 22.7

Febr. 16 21h 59.0m Vollmond. Febr. 24 16h 17.9m Letztes Viertel.

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
		h m	h m s	s	s	° ′	″	h m	° ′	
Febr. 8	O	5 37.3	2 46 55	−65.30	127.76	+11 19.5	+11.3	2 19.9	+10 12	5.5
	U	18 0.8	3 12 29	−65.35	127.95	+13 29.9	+10.4	2 24.7	+ 9 9	6.3
9	O	6 24.5	3 38 8	−65.49	128.48	+15 28.7	+ 9.4	3 1.3	+12 50	5.9
	U	18 48.2	4 3 54	−65.69	129.25	+17 15.0	+ 8.3	3 6.3	+12 42	6.3
10	O	7 12.1	4 29 50	−65.90	130.15	+18 47.8	+ 7.1	3 55.5	+17 56	5.7
	U	19 36.2	4 55 58	−66.12	131.08	+20 6.2	+ 5.9	4 2.7	+17 6	6.3
11	O	8 0.5	5 22 16	−66.31	131.92	+21 9.4	+ 4.6	4 46.0	+18 41	5.1
	U	20 24.9	5 48 43	−66.44	132.56	+21 56.9	+ 3.3	4 57.6	+21 28	4.7
12	O	8 49.4	6 15 17	−66.50	132.94	+22 28.3	+ 1.9	5 43.4	+24 32	5.1
	U	21 14.0	6 41 53	−66.47	132.98	+22 43.3	+ 0.5	5 51.3	+24 14	6.0
13	O	9 38.5	7 8 27	−66.33	132.64	+22 41.7	− 0.8	6 38.3	+25 13	3.2
	U	22 2.9	7 34 54	−66.11	131.91	+22 23.7	− 2.2	6 46.0	+21 52	5.2
14	O	10 27.1	8 1 10	−65.80	130.81	+21 49.6	− 3.5	7 27.3	+23 5	6.0
	U	22 51.1	8 27 12	−65.40	129.41	+21 0.1	− 4.7	7 35.5	+23 14	6.1
15	O	11 14.8	8 52 55	−64.94	127.77	+19 55.8	− 5.9	8 27.4	+20 45	5.5
	U	23 38.1	9 18 17	−64.46	125.99	+18 37.7	− 7.1	8 35.2	+19 52	cum.
16	O	12 1.1	9 43 17	−63.96	124.17	+17 6.8	− 8.1	9 13.9	+18 6	6.6
—		—	—	—	—	—	—	9 32.0	+16 51	5.9
17	U	0 23.7	10 7 56	+63.49	122.32	+15 24.2	− 9.0	10 2.3	+17 13	3.6
	O	12 46.0	10 32 15	+63.07	120.70	+13 31.2	− 9.8	10 11.8	+14 11	5.9
18	U	1 8.0	10 56 15	+62.70	119.31	+11 29.0	−10.5	10 41.6	+14 41	5.7
	O	13 29.7	11 20 0	+62.43	118.23	+ 9 18.9	−11.1	10 59.7	+13 10	6.5
19	U	1 51.2	11 43 34	+62.26	117.52	+ 7 2.2	−11.6	11 43.2	+ 8 45	5.2
	O	14 12.7	12 7 3	+62.21	117.25	+ 4 40.3	−12.0	11 56.2	+ 7 8	4.6
20	U	2 34.1	12 30 30	+62.29	117.45	+ 2 14.5	−12.3	12 33.7	+ 2 22	6.1
	O	14 55.6	12 54 3	+62.52	118.18	− 0 13.8	−12.4	12 37.0	− 0 57	3.0
21	U	3 17.3	13 17 48	+62.91	119.46	− 2 43.2	−12.4	13 19.8	− 4 41	5.8
	O	15 39.3	13 41 52	+63.44	121.33	− 5 12.2	−12.3	13 30.7	− 4 56	5.8
22	U	4 1.8	14 6 21	+64.13	123.80	− 7 39.2	−12.1	14 8.0	− 9 51	4.3
	O	16 24.8	14 31 24	+64.97	126.87	−10 2.5	−11.7	14 11.9	− 8 27	6.0
23	U	4 48.5	14 57 6	+65.95	130.51	−12 20.3	−11.2	14 53.9	−10 46	6.2
	O	17 13.0	15 23 36	+67.06	134.68	−14 30.5	−10.5	15 15.9	−15 13	6.0
24	U	5 38.3	15 50 58	+68.24	139.29	−16 30.9	− 9.6	15 48.6	−16 28	4.3
	O	18 4.6	16 19 17	+69.48	144.19	−18 19.2	− 8.4	15 55.2	−16 16	5.6
25	U	6 31.8	16 48 36	+70.72	149.18	−19 52.8	− 7.1	16 50.0	−21 25	6.5
	O	19 0.1	17 18 54	+71.89	154.01	−21 9.1	− 5.6	16 56.5	−18 45	6.5
26	U	7 29.3	17 50 8	+72.92	158.38	−22 5.5	− 3.8	17 37.9	−21 38	5.0
	O	19 59.3	18 22 10	+73.76	161.97	−22 39.8	− 1.9	17 54.2	−23 48	4.6
27	U	8 29.8	18 54 49	+74.34	164.52	−22 50.0	+ 0.2			
	O	21 0.8	19 27 52	+74.61	165.80	−22 34.9	+ 2.3			

Febr. 14 16^h Apogäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
Febr. 27.0	18h 32m 34.93s	31m 27.47s	−22° 45′ 45.8″	−0° 2′ 36.1″	8.24021	+237	16′ 17.3″
27.5	19 4 2.40	31 44.31	22 48 21.9	+0 20 52.8	8.24258	208	16 22.7
28.0	19 35 46.71	31 47.76	22 27 29.1	0 44 32.7	8.24466	173	16 27.4
28.5	20 7 34.47	31 38.04	21 42 56.4	1 7 39.0	8.24639	130	16 31.3
29.0	20 39 12.51	31 16.51	20 35 17.4	1 29 27.0	8.24769	83	16 34.3
29.5	21 10 29.02	30 45.62	19 5 50.4	1 49 17.7	8.24852	+ 33	16 36.2
März 1.0	21 41 14.64	30 8.19	17 16 32.7	2 6 38.1	8.24885	− 19	16 36.9
1.5	22 11 22.83	29 27.19	15 9 54.6	2 21 6.1	8.24866	74	16 36.5
2.0	22 40 50.02	28 45.39	12 48 48.5	2 32 28.8	8.24792	128	16 34.8
2.5	23 9 35.41		10 16 19.7		8.24664		16 31.9
		28 5.12		+2 40 41.8		−176	
3.0	23 37 40.53	27 28.11	− 7 35 37.9	2 45 49.0	8.24488	223	16 27.9
3.5	0 5 8.64	26 55.56	4 49 48.9	2 47 59.2	8.24265	262	16 22.8
4.0	0 32 4.20	26 28.24	− 2 1 49.7	2 47 25.9	8.24003	295	16 16.8
4.5	0 58 32.44	26 6.46	+ 0 45 36.2	2 44 23.8	8.23708	322	16 10.2
5.0	1 24 38.90	25 50.17	3 30 0.0	2 39 9.4	8.23386	340	16 3.1
5.5	1 50 29.07	25 39.13	6 9 9.4	2 31 58.5	8.23046	349	15 55.6
6.0	2 16 8.20	25 32.83	8 41 7.9	2 23 5.9	8.22697	352	15 48.0
6.5	2 41 41.03	25 30.65	11 4 13.8	2 12 45.5	8.22345	348	15 40.3
7.0	3 7 11.68	25 31.82	13 16 59.3	2 1 9.6	8.21997	338	15 32.8
7.5	3 32 43.50		15 18 8.9		8.21659		15 25.6
		25 35.40		+1 48 29.3		−320	
8.0	3 58 18.90	25 40.49	+17 6 38.2	1 34 54.9	8.21339	299	15 18.8
8.5	4 23 59.39	25 46.05	18 41 33.1	1 20 35.8	8.21040	275	15 12.5
9.0	4 49 45.44	25 51.14	20 2 8.9	1 5 41.1	8.20765	247	15 6.7
9.5	5 15 36.58	25 54.79	21 7 50.0	0 50 19.7	8.20518	216	15 1.6
10.0	5 41 31.37	25 56.23	21 58 9.7	0 34 40.8	8.20302	185	14 57.1
10.5	6 7 27.60	25 54.85	22 32 50.5	0 18 53.6	8.20117	153	14 53.3
11.0	6 33 22.45	25 50.23	22 51 44.1	+0 3 7.4	8.19964	120	14 50.1
11.5	6 59 12.68	25 42.26	22 54 51.5	−0 12 28.0	8.19844	88	14 47.7
12.0	7 24 54.94	25 31.07	22 42 23.5	0 27 44.1	8.19756	56	14 45.9
12.5	7 50 26.01		22 14 39.4		8.19700		14 44.8
		25 16.98		−0 42 31.9		− 26	
13.0	8 15 42.99	25 0.59	+21 32 7.5	0 56 43.7	8.19674	+ 3	14 44.2
13.5	8 40 43.58	24 42.61	20 35 23.8	1 10 12.0	8.19677	29	14 44.3
14.0	9 5 26.19	24 23.87	19 25 11.8	1 22 50.6	8.19706	53	14 44.9
14.5	9 29 50.06	24 5.20	18 2 21.2	1 34 34.0	8.19759	76	14 46.0
15.0	9 53 55.26	23 47.49	16 27 47.2	1 45 17.7	8.19835	96	14 47.5
15.5	10 17 42.75	23 31.54	14 42 29.5	1 54 57.4	8.19931	113	14 49.5
16.0	10 41 14.29	23 18.06	12 47 32.1	2 3 29.6	8.20044	128	14 51.8
16.5	11 4 32.35	23 7.75	10 44 2.5	2 10 50.8	8.20172	141	14 54.4
17.0	11 27 40.10	23 1.19	8 33 11.7	2 16 57.9	8.20313	152	14 57.3
17.5	11 50 41.29		6 16 13.8		8.20465		15 0.5

März 2 7h 50.5m Neumond. März 9 10h 35.7m Erst. Viert. März 17 15h 22.1m Vollmond.

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
	h m	h m s	s	s	° ′	′	h m	° ′	
Febr. 27 U	8 29.8	18 54 49	+74.34	164.52	−22 50.0	+ 0.2			
O	21 0.8	19 27 52	+74.61	165.80	−22 34.9	+ 2.3			
28 U	9 32.0	20 1 3	+74.57	165.74	−21 54.0	+ 4.5			
O	22 3.0	20 34 5	+74.23	164.41	−20 47.8	+ 6.6			
29 U	10 33.6	21 6 45	+73.64	162.00	−19 17.7	+ 8.5			
O	23 3.6	21 38 52	+72.85	158.78	−17 25.8	+10.2			
März 1 U	11 33.0	22 10 16	+71.94	155.05	−15 15.0	+11.6			
—	—	—	—	—	—	—			
2 O	0 1.6	22 40 54	+70.98	151.11	−12 48.5	+12.8			
U	12 29.4	23 10 45	−70.04	147.40	−10 9.9	+13.6			
3 O	0 56.4	23 39 51	−69.15	143.78	− 7 22.8	+14.2			
U	13 22.7	0 8 16	−68.36	140.57	− 4 30.6	+14.5			
4 O	1 48.5	0 36 5	−67.69	137.84	− 1 36.5	+14.5			
U	14 13.8	1 3 25	−67.16	135.64	+ 1 16.5	+14.3			
5 O	2 38.8	1 30 22	−66.76	133.97	+ 4 5.6	+13.9			
U	15 3.4	1 57 2	−66.50	132.82	+ 6 48.6	+13.3			
6 O	3 27.8	2 23 31	−66.36	132.14	+ 9 23.4	+12.5			
U	15 52.2	2 49 55	−66.33	131.87	+11 48.2	+11.6	h m	° ′	
7 O	4 16.5	3 16 17	−66.37	131.93	+14 1.5	+10.6	2 39.9	+ 9 44	4.4
U	16 40.9	3 42 42	−66.48	132.23	+16 2.0	+ 9.5	3 1.3	+12 50	5.9
8 O	5 5.4	4 9 12	−66.62	132.69	+17 48.6	+ 8.3	3 34.2	+16 14	6.4
U	17 29.9	4 35 47	−66.77	133.21	+19 20.3	+ 7.0	3 47.9	+17 3	6.0
9 O	5 54.6	5 2 29	−66.90	133.69	+20 36.4	+ 5.7	4 32.8	+20 30	5.8
U	18 19.3	5 29 15	−66.99	134.03	+21 36.3	+ 4.3	4 40.9	+18 34	6.5
10 O	6 44.1	5 56 5	−67.01	134.16	+22 19.6	+ 2.9	5 29.8	+23 59	5.4
U	19 8.9	6 22 54	−66.96	134.02	+22 46.0	+ 1.5	5 37.7	+23 10	6.0
11 O	7 33.6	6 49 40	−66.81	133.57	+22 55.5	+ 0.1	6 19.1	+25 6	6.5
U	19 58.2	7 16 18	−66.58	132.79	+22 48.3	− 1.3	6 38.3	+25 13	3.2
12 O	8 22.6	7 42 45	−66.27	131.71	+22 24.6	− 2.7	7 14.6	+22 9	3.6
U	20 46.8	8 8 57	−65.88	130.37	+21 45.0	− 4.0	7 22.3	+21 38	5.3
13 O	9 10.6	8 34 52	−65.43	128.81	+20 50.0	− 5.2	8 8.3	+23 25	6.5
U	21 34.2	9 0 27	−64.95	127.12	+19 40.5	− 6.4	8 15.0	+21 2	5.9
14 O	9 57.4	9 25 42	−64.46	125.39	+18 17.3	− 7.5	9 8.4	+21 40	6.5
U	22 20.3	9 50 36	−63.97	123.70	+16 41.6	− 8.5	9 13.9	+18 6	6.6
15 O	10 42.8	10 15 11	−63.53	122.12	+14 54.3	− 9.4	9 39.4	+19 17	6.5
U	23 5.1	10 39 27	−63.14	120.74	+12 56.6	−10.2	10 2.3	+17 13	3.6
16 O	11 27.1	11 3 29	−62.82	119.62	+10 49.9	−10.9	10 27.3	+14 37	5.7
U	23 48.9	11 27 19	−62.59	118.82	+ 8 35.3	−11.5	10 41.5	+13 14	6.5
17 O	12 10.6	11 51 1	−62.48	118.34	+ 6 14.2	−12.0	11 19.1	+11 2	4.0
—	—	—	—	—	—	—	11 33.7	+ 8 39	5.5

März 1 2h Perigäum. März 13 5h Apogäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ' "	° ' "			' "
März 17.0	11 27 40.10	23 1.19	+ 8 33 11.7	−2 16 57.9	8.20313	+152	14 57.3
17.5	11 50 41.29	22 58.87	6 16 13.8	2 21 47.7	8.20465	162	15 0.5
18.0	12 13 40.16	23 1.22	3 54 26.1	2 25 16.6	8.20627	169	15 3.8
18.5	12 36 41.38	23 8.60	+ 1 29 9.5	2 27 20.7	8.20796	175	15 7.3
19.0	12 59 49.98	23 21.24	− 0 58 11.2	2 27 56.1	8.20971	181	15 11.0
19.5	13 23 11.22	23 39.34	3 26 7.3	2 26 58.0	8.21152	185	15 14.8
20.0	13 46 50.56	24 2.93	5 53 5.3	2 24 21.7	8.21337	189	15 18.7
20.5	14 10 53.49	24 31.88	8 17 27.0	2 20 1.4	8.21526	192	15 22.7
21.0	14 35 25.37	25 5.91	10 37 28.4	2 13 51.6	8.21718	195	15 26.8
21.5	15 0 31.28	25 44.46	12 51 20.0	−2 5 47.1	8.21913	+198	15 31.0
22.0	15 26 15.74	26 26.62	−14 57 7.1	1 55 43.2	8.22111	200	15 35.3
22.5	15 52 42.36	27 11.18	16 52 50.3	1 43 36.1	8.22311	202	15 39.6
23.0	16 19 53.54	27 56.54	18 36 26.4	1 29 25.5	8.22513	203	15 44.0
23.5	16 47 50.08	28 40.66	20 5 51.9	1 13 14.1	8.22716	202	15 48.4
24.0	17 16 30.74	29 21.32	21 19 6.0	0 55 9.7	8.22918	199	15 52.8
24.5	17 45 52.06	29 56.19	22 14 15.7	0 35 25.4	8.23117	194	15 57.2
25.0	18 15 48.25	30 23.10	22 49 41.1	−0 14 21.2	8.23311	187	16 1.5
25.5	18 46 11.35	30 40.34	23 4 2.3	+0 7 36.5	8.23498	177	16 5.6
26.0	19 16 51.69	30 46.98	22 56 25.8	0 29 57.2	8.23675	163	16 9.6
26.5	19 47 38.67	30 42.94	22 26 28.6	+0 52 7.0	8.23838	+145	16 13.2
27.0	20 18 21.61	30 29.01	−21 34 21.6	1 13 31.3	8.23983	122	16 16.4
27.5	20 48 50.62	30 6.87	20 20 50.3	1 33 37.1	8.24105	95	16 19.1
28.0	21 18 57.49	29 38.64	18 47 13.2	1 51 55.8	8.24200	65	16 21.3
28.5	21 48 36.13	29 6.62	16 55 17.4	2 8 3.4	8.24265	+ 30	16 22.8
29.0	22 17 42.75	28 33.18	14 47 14.0	2 21 42.4	8.24295	− 7	16 23.5
29.5	22 46 15.93	28 0.36	12 25 31.6	2 32 40.7	8.24288	47	16 23.3
30.0	23 14 16.29	27 29.80	9 52 50.9	2 40 51.9	8.24241	87	16 22.3
30.5	23 41 46.09	27 2.80	7 11 59.0	2 46 14.9	8.24154	127	16 20.3
31.0	0 8 48.89	26 40.16	4 25 44.1	2 48 51.9	8.24027	164	16 17.4
31.5	0 35 29.05	26 22.36	− 1 36 52.2	+2 48 49.1	8.23863	−201	16 13.8
April 1.0	1 1 51.41	26 9.48	+ 1 11 56.9	2 46 14.8	8.23662	234	16 9.3
1.5	1 28 0.89	26 1.39	3 58 11.7	2 41 19.8	8.23428	260	16 4.1
2.0	1 54 2.28	25 57.70	6 39 31.5	2 34 15.4	8.23168	282	15 58.3
2.5	2 19 59.98	25 57.76	9 13 46.9	2 25 14.7	8.22886	298	15 52.1
3.0	2 45 57.74	26 0.79	11 39 1.6	2 14 30.6	8.22588	306	15 45.6
3.5	3 11 58.53	26 5.91	13 53 32.2	2 2 16.9	8.22282	310	15 38.9
4.0	3 38 4.44	26 12.08	15 55 49.1	1 48 46.8	8.21972	306	15 32.3
4.5	4 4 16.52	26 18.26	17 44 35.9	1 34 13.7	8.21666	297	15 25.7
5.0	4 30 34.78	26 23.42	19 18 49.6	1 18 51.5	8.21369	283	15 19.4
5.5	4 56 58.20		20 37 41.1		8.21086		15 13.4

März 25 1h 25.2m Letztes Viertel. März 31 17h 55.8m Neumond.

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1ʰ Länge	Dekl.	Bew. in 1ʰ Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
		h m	h m s	s	s	° ′	′	h m	° ′	
März 17	O	12 10.6	11 51 1	−62.48	118.34	+ 6 14.2	−12.0	11 19.1	+11 2	4.0
—		—	—	—	—	—	—	11 33.7	+ 8 39	5.5
18	U	0 32.2	12 14 42	+62.49	118.41	+ 3 48.0	−12.4	12 15.7	+ 3 49	5.2
	O	12 53.9	12 38 25	+62.62	118.89	+ 1 18.2	−12.6	12 33.7	+ 2 22	6.1
19	U	1 15.7	13 2 17	+62.90	119.86	− 1 13.7	−12.7	12 55.9	− 2 52	6.1
	O	13 37.8	13 26 23	+63.32	121.33	− 3 46.2	−12.7	13 18.6	− 4 27	6.1
20	U	2 0.2	13 50 50	+63.88	123.33	− 6 17.5	−12.5	13 50.2	− 7 36	6.4
	O	14 23.1	14 15 44	+64.58	125.85	− 8 45.7	−12.2	13 54.2	− 6 29	6.5
21	U	2 46.5	14 41 10	+65.41	128.86	−11 9.0	−11.7	14 42.9	−12 27	6.0
	O	15 10.5	15 7 16	+66.35	132.33	−13 25.5	−11.0	14 49.4	−11 31	5.9
22	U	3 35.3	15 34 6	+67.37	136.18	−15 32.9	−10.2	15 30.4	−14 29	4.1
	O	16 0.9	16 1 43	+68.45	140.30	−17 28.9	− 9.1	15 38.9	−15 23	5.5
23	U	4 27.3	16 30 11	+69.54	144.53	−19 11.4	− 7.9	16 26.7	−21 16	4.7
	O	16 54.6	16 59 29	+70.60	148.67	−20 37.9	− 6.5	16 35.2	−20 14	6.5
24	U	5 22.6	17 29 35	+71.57	152.51	−21 46.2	− 4.9	17 33.2	−21 52	6.3
	O	17 51.4	18 0 25	+72.38	155.80	−22 34.1	− 3.1	17 37.9	−21 38	5.0
25	U	6 20.8	18 31 50	+72.99	158.31	−23 0.0	− 1.2	18 32.9	−23 35	5.8
	O	18 50.5	19 3 39	+73.36	159.87	−23 2.4	+ 0.8	18 39.2	−25 6	5.7
26	U	7 20.5	19 35 42	+73.47	160.38	−22 40.8	+ 2.8	19 34.6	−23 38	6.2
	O	19 50.5	20 7 44	+73.33	159.84	−21 54.9	+ 4.8	19 48.8	−24 10	6.4
27	U	8 20.3	20 39 34	+72.95	158.35	−20 45.5	+ 6.7	20 40.8	−21 51	5.8
	O	20 49.7	21 11 2	+72.38	156.09	−19 13.8	+ 8.5	20 48.3	−19 28	6.5
28	U	9 18.6	21 42 0	+71.67	153.30	−17 21.9	+10.1			
	O	21 46.9	22 12 23	+70.89	150.23	−15 12.0	+11.5			
29	U	10 14.6	22 42 8	+70.09	147.10	−12 47.0	+12.6			
	O	22 41.7	23 11 15	+69.32	144.10	−10 9.9	+13.5			
30	U	11 8.2	23 39 48	+68.62	141.38	− 7 23.8	+14.1			
	O	23 34.2	0 7 51	+68.01	139.05	− 4 31.7	+14.5			
31	U	11 59.8	0 35 29	+67.53	137.17	− 1 36.9	+14.6			
—		—	—	—	—	—	—			
April 1	O	0 25.1	1 2 46	−67.17	135.82	+ 1 17.8	+14.5			
	U	12 50.1	1 29 50	−66.94	134.87	+ 4 9.6	+14.1			
2	O	1 15.0	1 56 45	−66.82	134.36	+ 6 56.0	+13.6			
	U	13 39.8	2 23 36	−66.82	134.24	+ 9 34.5	+12.8			
3	O	2 4.6	2 50 28	−66.90	134.43	+12 3.1	+11.9			
	U	14 29.5	3 17 23	−67.04	134.85	+14 20.0	+10.9			
4	O	2 54.5	3 44 24	−67.22	135.41	+16 23.5	+ 9.7			
	U	15 19.6	4 11 33	−67.41	135.99	+18 12.2	+ 8.4			
5	O	3 44.8	4 38 49	−67.57	136.51	+19 45.1	+ 7.0			
	U	16 10.1	5 6 9	−67.68	136.85	+21 1.4	+ 5.6			

März 29 4ʰ Perigäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
April 5.0	4 30 34.78	26 23.42	+19 18 49.6	+1 18 51.5	8.21369	−283	15 19.4
5.5	4 56 58.20	26 26.58	20 37 41.1	1 2 53.2	8.21086	264	15 13.4
6.0	5 23 24.78	26 26.93	21 40 34.3	0 46 31.7	8.20822	240	15 7.9
6.5	5 49 51.71	26 23.92	22 27 6.0	0 30 0.1	8.20582	212	15 2.9
7.0	6 16 15.63	26 17.20	22 57 6.1	+0 13 30.1	8.20370	183	14 58.5
7.5	6 42 32.83	26 6.74	23 10 36.2	−0 2 46.9	8.20187	151	14 54.7
8.0	7 8 39.57	25 52.78	23 7 49.3	0 18 41.4	8.20036	118	14 51.6
8.5	7 34 32.35	25 35.84	22 49 7.9	0 34 4.5	8.19918	83	14 49.2
9.0	8 0 8.19	25 16.63	22 15 3.4	0 48 48.4	8.19835	49	14 47.5
9.5	8 25 24.82	24 55.99	21 26 15.0	−1 2 47.9	8.19786	−15	14 46.5
10.0	8 50 20.81	24 34.84	+20 23 27.1	1 15 58.3	8.19771	+18	14 46.2
10.5	9 14 55.65	24 14.07	19 7 28.8	1 28 15.3	8.19789	50	14 46.6
11.0	9 39 9.72	23 54.62	17 39 13.5	1 39 36.6	8.19839	80	14 47.6
11.5	10 3 4.34	23 37.27	15 59 36.9	1 49 59.2	8.19919	108	14 49.2
12.0	10 26 41.61	23 22.77	14 9 37.7	1 59 20.6	8.20027	132	14 51.4
12.5	10 50 4.38	23 11.77	12 10 17.1	2 7 38.3	8.20159	154	14 54.1
13.0	11 13 16.15	23 4.77	10 2 38.8	2 14 48.8	8.20313	172	14 57.3
13.5	11 36 20.92	23 2.29	7 47 50.0	2 20 48.3	8.20485	188	15 0.9
14.0	11 59 23.21	23 4.69	5 27 1.7	2 25 31.9	8.20673	199	15 4.8
14.5	12 22 27.90	23 12.26	3 1 29.8	−2 28 54.1	8.20872	+208	15 9.0
15.0	12 45 40.16	23 25.25	+ 0 32 35.7	2 30 48.9	8.21080	213	15 13.3
15.5	13 9 5.41	23 43.75	− 1 58 13.2	2 31 8.5	8.21293	213	15 17.8
16.0	13 32 49.16	24 7.76	4 29 21.7	2 29 45.9	8.21506	212	15 22.3
16.5	13 56 56.92	24 37.11	6 59 7.6	2 26 32.8	8.21718	208	15 26.8
17.0	14 21 34.03	25 11.42	9 25 40.4	2 21 21.4	8.21926	201	15 31.3
17.5	14 46 45.45	25 50.03	11 47 1.8	2 14 4.9	8.22127	192	15 35.6
18.0	15 12 35.48	26 32.01	14 1 6.7	2 4 37.9	8.22319	182	15 39.7
18.5	15 39 7.49	27 15.98	16 5 44.6	1 52 56.8	8.22501	171	15 43.7
19.0	16 6 23.47	28 0.25	17 58 41.4	1 39 2.9	8.22672	159	15 47.4
19.5	16 34 23.72	28 42.73	19 37 44.3	−1 23 0.3	8.22831	+146	15 50.9
20.0	17 3 6.45	29 21.13	−21 0 44.6	1 5 0.0	8.22977	134	15 54.1
20.5	17 32 27.58	29 53.15	22 5 44.6	0 45 18.4	8.23111	121	15 57.0
21.0	18 2 20.73	30 16.68	22 51 3.0	0 24 18.2	8.23232	109	15 59.7
21.5	18 32 37.41	30 30.19	23 15 21.2	−0 2 27.2	8.23341	97	16 2.1
22.0	19 3 7.60	30 32.96	23 17 48.4	+0 19 42.5	8.23438	84	16 4.3
22.5	19 33 40.56	30 25.13	22 58 5.9	0 41 38.6	8.23522	72	16 6.1
23.0	20 4 5.69	30 7.73	22 16 27.3	1 2 49.4	8.23594	58	16 7.7
23.5	20 34 13.42	29 42.59	21 13 37.9	1 22 46.1	8.23652	43	16 9.0
24.0	21 3 56.01	29 11.92	19 50 51.8	1 41 4.3	8.23695	28	16 10.0
24.5	21 33 7.93		18 9 47.5		8.23723		16 10.7

April 8 $5^h 25^m.1$ Erst. Viert. April 16 $5^h 48^m.9$ Vollmond. April 23 $8^h 0^m.3$ Letzt. Viert.

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Gr.
		h m	h m s	s	s	° '	'	h m	° '	
April 5	*O*	3 44.8	4 38 49	−67.57	136.51	+19 45.1	+ 7.0			
	U	16 10.1	5 6 9	−67.68	136.85	+21 1.4	+ 5.6			
6	*O*	4 35.5	5 33 32	−67.73	136.92	+22 0.3	+ 4.2	5 3.4	+19 44	6.5
	U	17 0.8	6 0 54	−67.69	136.68	+22 41.6	+ 2.7	5 13.7	+22 0	5.2
7	*O*	5 26.0	6 28 11	−67.55	136.09	+23 5.3	+ 1.2	5 58.5	+23 16	4.3
	U	17 51.1	6 55 18	−67.32	135.14	+23 11.3	− 0.2	6 4.0	+22 12	6.5
8	*O*	6 15.9	7 22 12	−66.99	133.85	+23 0.0	− 1.6	6 49.6	+25 29	6.2
	U	18 40.5	7 48 49	−66.57	132.28	+22 32.0	− 3.0	6 56.8	+24 21	5.3
9	*O*	7 4.8	8 15 5	−66.09	130.49	+21 48.0	− 4.3	7 43.1	+23 22	6.5
	U	19 28.6	8 40 59	−65.57	128.58	+20 48.7	− 5.5	7 55.5	+23 50	6.5
10	*O*	7 52.1	9 6 30	−65.03	126.63	+19 35.1	− 6.7	8 38.0	+21 48	4.8
	U	20 15.2	9 31 38	−64.50	124.73	+18 8.1	− 7.8	8 45.5	+19 11	6.5
11	*O*	8 37.9	9 56 24	−63.99	122.98	+16 28.7	− 8.8	9 32.0	+16 51	5.9
	U	21 0.3	10 20 50	−63.55	121.44	+14 38.0	− 9.7	9 39.4	+19 17	6.5
12	*O*	9 22.4	10 44 59	−63.18	120.19	+12 37.2	−10.5	10 16.9	+15 26	6.2
	U	21 44.3	11 8 55	−62.91	119.27	+10 27.3	−11.2	10 27.3	+14 37	5.7
13	*O*	10 6.1	11 32 42	−62.74	118.75	+ 8 9.6	−11.8	10 59.7	+13 10	6.5
	U	22 27.8	11 56 26	−62.69	118.67	+ 5 45.4	−12.3	11 19.1	+11 2	4.0
14	*O*	10 49.5	12 20 12	−62.78	119.06	+ 3 15.9	−12.6	11 56.2	+ 7 8	4.6
	U	23 11.4	12 44 6	−63.01	119.95	+ 0 42.7	−12.9	12 5.4	+ 6 19	5.7
15	*O*	11 33.5	13 8 13	−63.38	121.35	− 1 52.7	−13.0	12 37.0	− 0 57	3.0
	U	23 55.9	13 32 41	−63.89	123.27	− 4 28.5	−13.0	12 55.9	− 2 52	6.1
16	*O*	12 18.8	13 57 35	+64.55	125.84	− 7 3.0	−12.8	13 30.8	− 4 56	5.8
—		—	—	—	—	—	—	13 39.1	− 5 2	6.4
17	*U*	0 42.2	14 23 2	+65.34	128.81	− 9 34.1	−12.4	14 12.5	− 8 36	6.5
	O	13 6.3	14 49 7	+66.25	132.22	−11 59.7	−11.8	14 32.1	−11 55	6.0
18	*U*	1 31.0	15 15 54	+67.25	136.01	−14 17.4	−11.1	15 17.9	−14 48	6.8
	O	13 56.5	15 43 29	+68.30	140.05	−16 24.9	−10.1	15 23.1	−16 24	6.0
19	*U*	2 22.9	16 11 53	+69.37	144.19	−18 19.5	− 8.9	16 13.8	−20 0	6.0
	O	14 50.1	16 41 7	+70.40	148.23	−19 58.9	− 7.6	16 18.7	−19 49	4.6
20	*U*	3 18.1	17 11 7	+71.35	151.94	−21 20.5	− 6.0	17 15.5	−21 1	4.5
	O	15 46.7	17 41 49	+72.15	155.07	−22 22.2	− 4.2	17 19.2	−21 21	6.5
21	*U*	4 15.9	18 13 4	+72.75	157.41	−23 2.1	− 2.4	18 8.7	−21 44	5.9
	O	16 45.5	18 44 42	+73.11	158.79	−23 19.0	− 0.4	18 22.3	−25 28	2.9
22	*U*	5 15.2	19 16 30	+73.21	159.11	−23 11.9	+ 1.6	19 19.9	−24 9	5.9
	O	17 44.9	19 48 17	+73.06	158.38	−22 40.8	+ 3.6	19 25.4	−21 30	6.5
23	*U*	6 14.4	20 19 49	+72.67	156.72	−21 46.4	+ 5.5	20 12.6	−22 6	6.0
	O	18 43.5	20 50 56	+72.09	154.30	−20 29.6	+ 7.3	20 23.7	−21 12	6.5
24	*U*	7 12.0	21 21 31	+71.36	151.37	−18 52.3	+ 8.9	21 24.8	−19 33	6.5
	O	19 39.9	21 51 29	+70.56	148.18	−16 56.5	+10.3	21 29.7	−20 30	5.9

April 9 23h Apogäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
April 24.0	21 3 56.01	29 11.92	−19 50 51.8	+ 1 41 4.3	8.23695	+ 28	16 10.0
24.5	21 33 7.93	28 38.13	18 9 47.5	1 57 25.9	8.23723	+ 11	16 10.7
25.0	22 1 46.06	28 3.53	16 12 21.6	2 11 37.1	8.23734	− 8	16 10.9
25.5	22 29 49.59	27 30.13	14 0 44.5	2 23 29.5	8.23726	28	16 10.7
26.0	22 57 19.72	26 59.57	11 37 15.0	2 32 57.6	8.23698	49	16 10.1
26.5	23 24 19.29	26 33.11	9 4 17.4	2 39 59.6	8.23649	73	16 9.0
27.0	23 50 52.40	26 11.53	6 24 17.8	2 44 35.1	8.23576	96	16 7.4
27.5	0 17 3.93	25 55.30	3 39 42.7	2 46 46.2	8.23480	121	16 5.2
28.0	0 42 59.23	25 44.58	− 0 52 56.5	2 46 35.6	8.23359	144	16 2.5
28.5	1 8 43.81	25 39.20	+ 1 53 39.1	+ 2 44 7.9	8.23215	−168	15 59.3
29.0	1 34 23.01	25 38.84	+ 4 37 47.0	2 39 28.0	8.23047	190	15 55.6
29.5	2 0 1.85	25 42.86	7 17 15.0	2 32 42.2	8.22857	210	15 51.5
30.0	2 25 44.71	25 50.48	9 49 57.2	2 23 58.4	8.22647	226	15 46.9
30.5	2 51 35.19	26 0.68	12 13 55.6	2 13 25.5	8.22421	239	15 42.0
Mai 1.0	3 17 35.87	26 12.34	14 27 21.1	2 1 14.0	8.22182	248	15 36.8
1.5	3 43 48.21	26 24.25	16 28 35.1	1 47 36.0	8.21934	253	15 31.5
2.0	4 10 12.46	26 35.09	18 16 11.1	1 32 44.8	8.21681	253	15 26.1
2.5	4 36 47.55	26 43.62	19 48 55.9	1 16 55.2	8.21428	248	15 20.7
3.0	5 3 31.17	26 48.74	21 5 51.1	1 0 23.0	8.21180	239	15 15.4
3.5	5 30 19.91	26 49.55	22 6 14.1	+ 0 43 24.8	8.20941	−226	15 10.4
4.0	5 57 9.46	26 45.53	+22 49 38.9	0 26 16.2	8.20715	209	15 5.7
4.5	6 23 54.99	26 36.45	23 15 55.1	+ 0 9 12.9	8.20506	187	15 1.3
5.0	6 50 31.44	26 22.53	23 25 8.0	− 0 7 31.1	8.20319	161	14 57.5
5.5	7 16 53.97	26 4.38	23 17 36.9	0 23 43.2	8.20158	133	14 54.1
6.0	7 42 58.35	25 42.83	22 53 53.7	0 39 13.9	8.20025	103	14 51.4
6.5	8 8 41.18	25 18.92	22 14 39.8	0 53 56.0	8.19922	71	14 49.3
7.0	8 34 0.10	24 53.83	21 20 43.8	1 7 44.1	8.19851	36	14 47.8
7.5	8 58 53.93	24 28.71	20 12 59.7	1 20 34.9	8.19815	− 2	14 47.1
8.0	9 23 22.64	24 4.71	18 52 24.8	1 32 26.6	8.19813	+ 32	14 47.1
8.5	9 47 27.35	23 42.84	17 19 58.2	− 1 43 18.9	8.19845	+ 67	14 47.7
9.0	10 11 10.19	23 23.97	+15 36 39.3	1 53 11.3	8.19912	100	14 49.1
9.5	10 34 34.16	23 8.91	13 43 28.0	2 2 3.7	8.20012	132	14 51.1
10.0	10 57 43.07	22 58.29	11 41 24.3	2 9 55.1	8.20144	162	14 53.8
10.5	11 20 41.36	22 52.64	9 31 29.2	2 16 43.9	8.20306	189	14 57.2
11.0	11 43 34.00	22 52.38	7 14 45.3	2 22 27.1	8.20495	212	15 1.1
11.5	12 6 26.38	22 57.90	4 52 18.2	2 27 0.1	8.20707	232	15 5.5
12.0	12 29 24.28	23 9.50	+ 2 25 18.1	2 30 16.9	8.20939	247	15 10.4
12.5	12 52 33.78	23 27.33	− 0 4 58.8	2 32 10.2	8.21186	259	15 15.6
13.0	13 16 1.11	23 51.42	2 37 9.0	2 32 30.1	8.21445	266	15 21.0
13.5	13 39 52.53		5 9 39.1		8.21711		15 26.7

April 30 4h 26.7m Neumond. Mai 8 0h 16.9m Erstes Viertel.

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
		h m	h m s	s	"	° '	'	h m	° '	
April 24	U	7 12.0	21 21 31	+71.36	151.37	−18 52.3	+ 8.9	21 24.8	−19 33	6.5
	O	19 39.9	21 51 29	+70.56	148.18	−16 56.5	+10.3	21 29.7	−20 30	5.9
25	U	8 7.2	22 20 49	+69.73	144.95	−14 44.7	+11.6	22 14.1	−13 46	6.3
	O	20 33.9	22 49 31	+68.93	141.87	−12 19.4	+12.6	22 19.5	−14 0	6.0
26	U	9 0.0	23 17 37	+68.21	139.11	− 9 43.3	+13.4			
	O	21 25.5	23 45 13	+67.58	136.78	− 6 59.1	+14.0			
27	U	9 50.6	0 12 23	+67.07	134.94	− 4 9.5	+14.3			
	O	22 15.4	0 39 14	+66.71	133.62	− 1 17.2	+14.4			
28	U	10 40.0	1 5 53	+66.48	132.83	+ 1 35.2	+14.3			
	O	23 4.5	1 32 25	+66.38	132.54	+ 4 25.3	+14.0			
29	U	11 29.0	1 58 56	+66.41	132.71	+ 7 10.5	+13.5			
	O	23 53.6	2 25 31	+66.55	133.26	+ 9 48.6	+12.8			
30	U	12 18.3	2 52 15	−66.77	134.07	+12 17.5	+12.0			
—		—	—	—	—	—	—			
Mai 1	O	0 43.1	3 19 10	−67.05	135.10	+14 35.0	+11.0			
	U	13 8.2	3 46 18	−67.35	136.21	+16 39.4	+ 9.8			
2	O	1 33.5	4 13 39	−67.64	137.28	+18 29.1	+ 8.5			
	U	13 59.0	4 41 12	−67.89	138.17	+20 2.8	+ 7.1			
3	O	2 24.7	5 8 54	−68.07	138.76	+21 19.3	+ 5.6			
	U	14 50.5	5 36 41	−68.16	138.96	+22 18.0	+ 4.1			
4	O	3 16.2	6 4 27	−68.13	138.71	+22 58.5	+ 2.6			
	U	15 41.8	6 32 8	−67.97	137.97	+23 20.6	+ 1.1			
5	O	4 7.2	6 59 37	−67.69	136.76	+23 24.4	− 0.4	6 19.0	+25 6	6.5
	U	16 32.4	7 26 48	−67.30	135.14	+23 10.5	− 1.9	6 38.3	+25 13	3.2
6	O	4 57.2	7 53 38	−66.82	133.18	+22 39.5	− 3.3	7 22.3	+21 38	5.3
	U	17 21.6	8 20 3	−66.26	130.98	+21 52.3	− 4.6	7 27.3	+23 5	6.0
7	O	5 45.5	8 46 0	−65.66	128.67	+20 49.9	− 5.8	8 15.0	+21 2	5.9
	U	18 9.0	9 11 30	−65.05	126.36	+19 33.3	− 6.9	8 27.4	+20 45	5.5
8	O	6 32.0	9 36 32	−64.47	124.15	+18 3.5	− 7.9	9 8.4	+21 40	6.5
	U	18 54.6	10 1 9	−63.93	122.15	+16 21.7	− 8.9	9 13.8	+18 6	6.6
9	O	7 16.8	10 25 24	−63.45	120.45	+14 29.1	− 9.8	10 2.3	+17 13	3.6
	U	19 38.7	10 49 20	−63.07	119.11	+12 26.7	−10.6	10 11.7	+14 11	5.9
10	O	8 0.4	11 13 3	−62.79	118.19	+10 15.5	−11.3	10 41.6	+14 41	5.7
	U	20 21.9	11 36 39	−62.65	117.75	+ 7 56.8	−11.8	10 59.7	+13 10	6.5
11	O	8 43.4	12 0 12	−62.65	117.82	+ 5 31.7	−12.3	11 33.7	+ 8 39	5.5
	U	21 5.0	12 23 49	−62.79	118.44	+ 3 1.4	−12.7	11 40.6	+ 8 46	4.9
12	O	9 26.8	12 47 37	−63.09	119.65	+ 0 27.2	−13.0	12 15.7	+ 3 49	5.2
	U	21 48.9	13 11 43	−63.55	121.44	− 2 9.4	−13.1	12 33.7	+ 2 22	6.1
13	O	10 11.4	13 36 15	−64.17	123.82	− 4 46.7	−13.1	13 5.2	− 5 3	4.4
	U	22 34.4	14 1 19	−64.95	126.80	− 7 22.9	−12.9	13 18.6	− 4 27	6.1

April 25 1^h Perigäum. Mai 7 19^h Apogäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Mai 13.0	13 16 1.11	23 51.42	− 2 37 9.0	−2 32 30.1	8.21445	+266	15 21.0
13.5	13 39 52.53	24 21.78	5 9 39.1	2 31 6.3	8.21711	267	15 26.7
14.0	14 4 14.31	24 58.09	7 40 45.4	2 27 47.4	8.21978	263	15 32.4
14.5	14 29 12.40	25 39.79	10 8 32.8	2 22 21.5	8.22241	254	15 38.1
15.0	14 54 52.19	26 25.98	12 30 54.3	2 14 37.8	8.22495	241	15 43.6
15.5	15 21 18.17	27 15.29	14 45 32.1	2 4 27.5	8.22736	224	15 48.8
16.0	15 48 33.46	28 5.88	16 49 59.6	1 51 45.7	8.22960	203	15 53.7
16.5	16 16 39.34	28 55.40	18 41 45.3	1 36 32.5	8.23163	179	15 58.2
17.0	16 45 34.74	29 41.13	20 18 17.8	1 18 55.5	8.23342	153	16 2.1
17.5	17 15 15.87	30 20.14	21 37 13.3	−0 59 10.5	8.23495	+125	16 5.5
18.0	17 45 36.01	30 49.65	−22 36 23.8	0 37 42.6	8.23620	98	16 8.3
18.5	18 16 25.66	31 7.49	23 14 6.4	−0 15 3.4	8.23718	70	16 10.5
19.0	18 47 33.15	31 12.36	23 29 9.8	+0 8 8.4	8.23788	42	16 12.1
19.5	19 18 45.51	31 4.14	23 21 1.4	0 31 12.6	8.23830	+ 16	16 13.0
20.0	19 49 49.65	30 43.94	22 49 48.8	0 53 30.6	8.23846	− 6	16 13.4
20.5	20 20 33.59	30 13.83	21 56 18.2	1 14 28.1	8.23840	28	16 13.2
21.0	20 50 47.42	29 36.61	20 41 50.1	1 33 37.1	8.23812	48	16 12.6
21.5	21 20 24.03	28 55.22	19 8 13.0	1 50 39.2	8.23764	65	16 11.5
22.0	21 49 19.25	28 12.53	17 17 33.8	2 5 22.4	8.23699	81	16 10.1
22.5	22 17 31.78	27 31.04	15 12 11.4	+2 17 41.5	8.23618	− 94	16 8.3
23.0	22 45 2.82	26 52.77	−12 54 29.9	2 27 35.4	8.23524	107	16 6.2
23.5	23 11 55.59	26 19.19	10 26 54.5	2 35 7.5	8.23417	118	16 3.8
24.0	23 38 14.78	25 51.31	7 51 47.0	2 40 21.5	8.23299	128	16 1.2
24.5	0 4 6.09	25 29.69	5 11 25.5	2 43 22.3	8.23171	139	15 58.4
25.0	0 29 35.78	25 14.56	− 2 28 3.2	2 44 15.1	8.23032	148	15 55.3
25.5	0 54 50.34	25 5.89	+ 0 16 11.9	2 43 4.4	8.22884	157	15 52.1
26.0	1 19 56.23	25 3.36	2 59 16.3	2 39 53.9	8.22727	166	15 48.6
26.5	1 44 59.59	25 6.44	5 39 10.2	2 34 48.0	8.22561	175	15 45.0
27.0	2 10 6.03	25 14.41	8 13 58.2	2 27 50.2	8.22386	182	15 41.2
27.5	2 35 20.44	25 26.34	10 41 48.4	+2 19 4.9	8.22204	−190	15 37.3
28.0	3 0 46.78	25 41.14	+13 0 53.3	2 8 37.8	8.22014	197	15 33.2
28.5	3 26 27.92	25 57.51	15 9 31.1	1 56 35.4	8.21817	200	15 29.0
29.0	3 52 25.43	26 14.06	17 6 6.5	1 43 6.4	8.21617	203	15 24.7
29.5	4 18 39.49	26 29.25	18 49 12.9	1 28 22.1	8.21414	204	15 20.4
30.0	4 45 8.74	26 41.66	20 17 35.0	1 12 35.4	8.21210	202	15 16.1
30.5	5 11 50.40	26 49.98	21 30 10.4	0 56 1.5	8.21008	197	15 11.8
31.0	5 38 40.38	26 53.15	22 26 11.9	0 38 57.2	8.20811	189	15 7.7
31.5	6 5 33.53	26 50.48	23 5 9.1	0 21 40.2	8.20622	179	15 3.7
Juni 1.0	6 32 24.01	26 41.77	23 26 49.3	0 4 27.6	8.20443	164	15 0.0
1.5	6 59 5.78		23 31 16.9		8.20279		14 56.6

Mai 15 17ʰ 26ᵐ.0 Vollmond. Mai 22 13ʰ 10ᵐ.8 Letzt. Viert. Mai 29 16ʰ 8ᵐ.1 Neumond.

Im Meridian von Berlin.

Datum und Kulmination			Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Gr.
			h m	h m s	s	s	° ′	′	h m	° ′	
Mai	13	O	10 11.4	13 36 15	−64.17	123.82	− 4 46.7	−13.1	13 5.2	− 5 3	4.4
		U	22 34.4	14 1 19	−64.95	126.80	− 7 22.9	−12.9	13 18.6	− 4 27	6.1
	14	O	10 58.1	14 27 2	−65.86	130.35	− 9 56.0	−12.6	14 1.9	− 8 52	5.7
		U	23 22.5	14 53 31	−66.90	134.39	−12 23.7	−12.0	14 8.0	− 9 51	4.3
	15	O	11 47.8	15 20 51	−68.04	138.82	−14 43.4	−11.2	14 49.4	−11 31	5.9
	—		—	—	—	—	—	—	14 53.9	−10 46	6.2
	16	U	0 14.0	15 49 6	+69.22	143.71	−16 52.3	−10.2	15 49.7	−19 7	6.3
		O	12 41.2	16 18 17	+70.40	148.41	−18 47.7	− 9.0	15 55.2	−16 16	5.6
	17	U	1 9.2	16 48 24	+71.52	152.88	−20 26.7	− 7.5	16 50.1	−21 25	6.5
		O	13 38.1	17 19 22	+72.49	156.82	−21 46.5	− 5.8	16 56.5	−18 45	6.5
	18	U	2 7.8	17 51 2	+73.26	159.92	−22 44.7	− 3.9	17 37.9	−21 38	5.0
		O	14 37.9	18 23 14	+73.78	161.94	−23 19.4	− 1.9	17 54.2	−23 48	4.6
	19	U	3 8.3	18 55 43	+74.00	162.69	−23 29.3	+ 0.2	18 59.2	−21 53	3.9
		O	15 38.8	19 28 13	+73.91	162.15	−23 14.0	+ 2.3	19 9.9	−25 25	4.9
	20	U	4 9.0	20 0 30	+73.52	160.39	−22 33.8	+ 4.4	19 58.3	−22 51	6.4
		O	16 38.8	20 32 20	+72.89	157.63	−21 29.9	+ 6.3	20 12.6	−22 6	6.0
	21	U	5 8.0	21 3 32	+72.07	154.15	−20 4.0	+ 8.0	21 4.3	−20 56	6.2
		O	17 36.4	21 34 0	+71.13	150.26	−18 18.5	+ 9.5	21 10.4	−21 2	5.5
	22	U	6 4.0	22 3 40	+70.15	146.26	−16 15.9	+10.8	22 7.5	−14 39	6.5
		O	18 30.8	22 32 33	+69.19	142.39	−13 58.8	+11.9	22 14.1	−13 46	6.3
	23	U	6 56.9	23 0 41	+68.29	138.86	−11 30.0	+12.8	22 54.7	−13 34	6.5
		O	19 22.3	23 28 9	+67.49	135.81	− 8 52.3	+13.5	23 9.9	−11 11	6.3
	24	U	7 47.2	23 55 4	+66.82	133.31	− 6 8.2	+13.9	0 0.6	− 6 13	4.6
		O	20 11.7	0 21 33	+66.30	131.42	− 3 20.1	+14.1	0 5.6	− 5 46	5.9
	25	U	8 35.8	0 47 42	+65.94	130.16	− 0 30.4	+14.1			
		O	20 59.7	1 13 40	+65.74	129.51	+ 2 18.6	+14.0			
	26	U	9 23.5	1 39 33	+65.69	129.44	+ 5 4.8	+13.7			
		O	21 47.4	2 5 28	+65.77	129.89	+ 7 45.9	+13.2			
	27	U	10 11.4	2 31 31	+65.97	130.77	+10 20.0	+12.5			
		O	22 35.7	2 57 47	+66.27	131.98	+12 45.1	+11.7			
	28	U	11 0.2	3 24 19	+66.62	133.43	+14 59.3	+10.7			
		O	23 25.0	3 51 9	+67.01	134.98	+17 0.7	+ 9.6			
	29	U	11 50.1	4 18 18	+67.38	136.48	+18 47.9	+ 8.3			
	—		—	—	—	—	—	—			
	30	O	0 15.5	4 45 43	−67.72	137.63	+20 19.3	+ 6.9			
		U	12 41.1	5 13 22	−67.98	138.69	+21 33.8	+ 5.5			
	31	O	1 6.8	5 41 10	−68.12	139.21	+22 30.5	+ 4.0			
		U	13 32.6	6 9 1	−68.13	139.19	+23 8.9	+ 2.4			
Juni	1	O	1 58.3	6 36 48	−68.00	138.59	+23 28.7	+ 0.9			
		U	14 23.9	7 4 24	−67.73	137.42	+23 30.1	− 0.6			

Mai 20 2^h Perigäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Juni 1.0	6 32 24.01	26 41.77	+23 26 49.3	+0 4 27.6	8.20443	−164	15 0.0
1.5	6 59 5.78	26 27.27	23 31 16.9	−0 12 23.9	8.20279	147	14 56.6
2.0	7 25 33.05	26 7.65	23 18 53.0	0 28 40.2	8.20132	127	14 53.6
2.5	7 51 40.70	25 43.95	22 50 12.8	0 44 9.6	8.20005	103	14 51.0
3.0	8 17 24.65	25 17.46	22 6 3.2	0 58 43.2	8.19902	78	14 48.9
3.5	8 42 42.11	24 49.49	21 7 20.0	1 12 15.9	8.19824	49	14 47.3
4.0	9 7 31.60	24 21.51	19 55 4.1	1 24 43.8	8.19775	− 19	14 46.3
4.5	9 31 53.11	23 54.73	18 30 20.3	1 36 6.6	8.19756	+ 13	14 45.9
5.0	9 55 47.84	23 30.32	16 54 13.7	1 46 24.2	8.19769	46	14 46.2
5.5	10 19 18.16	23 9.29	15 7 49.5	−1 55 38.2	8.19815	+ 79	14 47.1
6.0	10 42 27.45	22 52.53	+13 12 11.3	2 3 50.2	8.19894	113	14 48.7
6.5	11 5 19.98	22 40.70	11 8 21.1	2 11 1.1	8.20007	147	14 51.0
7.0	11 28 0.68	22 34.36	8 57 20.0	2 17 10.9	8.20154	179	14 54.0
7.5	11 50 35.04	22 34.03	6 40 9.1	2 22 19.3	8.20333	210	14 57.7
8.0	12 13 9.07	22 40.11	4 17 49.8	2 26 22.7	8.20543	238	15 2.1
8.5	12 35 49.18	22 52.93	+ 1 51 27.1	2 29 16.3	8.20781	262	15 7.0
9.0	12 58 42.11	23 12.72	− 0 37 49.2	2 30 53.7	8.21043	284	15 12.5
9.5	13 21 54.83	23 39.63	3 8 42.9	2 31 5.2	8.21327	301	15 18.5
10.0	13 45 34.46	24 13.65	5 39 48.1	2 29 40.0	8.21628	311	15 24.9
10.5	14 9 48.11	24 54.57	8 9 28.1	−2 26 24.6	8.21939	+317	15 31.6
11.0	14 34 42.68	25 41.88	−10 35 52.7	2 21 4.7	8.22256	317	15 38.4
11.5	15 0 24.56	26 34.63	12 56 57.4	2 13 25.5	8.22573	310	15 45.2
12.0	15 26 59.19	27 31.32	15 10 22.9	2 3 14.0	8.22883	297	15 52.0
12.5	15 54 30.51	28 29.86	17 13 36.9	1 50 20.6	8.23180	277	15 58.6
13.0	16 23 0.37	29 27.52	19 3 57.5	1 34 41.1	8.23457	250	16 4.7
13.5	16 52 27.89	30 20.95	20 38 38.6	1 16 20.5	8.23707	219	16 10.3
14.0	17 22 48.84	31 6.53	21 54 59.1	0 55 34.8	8.23926	184	16 15.2
14.5	17 53 55.37	31 40.81	22 50 33.9	0 32 50.6	8.24110	144	16 19.3
15.0	18 25 36.18	32 0.96	23 23 24.5	−0 8 47.0	8.24254	101	16 22.6
15.5	18 57 37.14	32 5.41	23 32 11.5	+0 15 50.3	8.24355	+ 59	16 24.9
16.0	19 29 42.55	31 54.11	−23 16 21.2	0 40 10.5	8.24414	+ 17	16 26.2
16.5	20 1 36.66	31 28.57	22 36 10.7	1 3 25.6	8.24431	− 25	16 26.6
17.0	20 33 5.23	30 51.52	21 32 45.1	1 24 55.2	8.24406	63	16 26.0
17.5	21 3 56.75	30 6.49	20 7 49.9	1 44 7.8	8.24343	97	16 24.6
18.0	21 34 3.24	29 17.10	18 23 42.1	2 0 43.4	8.24246	128	16 22.4
18.5	22 3 20.34	28 26.85	16 22 58.7	2 14 32.7	8.24118	154	16 19.5
19.0	22 31 47.19	27 38.50	14 8 26.0	2 25 34.5	8.23964	175	16 16.0
19.5	22 59 25.69	26 54.35	11 42 51.5	2 33 54.5	8.23789	193	16 12.1
20.0	23 26 20.04	26 15.85	9 8 57.0	2 39 40.9	8.23596	205	16 7.8
20.5	23 52 35.89		6 29 16.1		8.23391		16 3.2

Juni 6 17ʰ 49ᵐ.7 Erst. Viert. Juni 14 2ʰ 48ᵐ.8 Vollmond. Juni 20 18ʰ 19ᵐ.7 Letzt. Viert.

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
		h m	h m s	s	s	° '	'	h m	° '	
Juni 1	O	1 58.3	6 36 48	−68.00	138.59	+23 28.7	+ 0.9			
	U	14 23.9	7 4 24	−67.73	137.42	+23 30.1	− 0.6			
2	O	2 49.2	7 31 43	−67.33	135.73	+23 13.6	− 2.1			
	U	15 14.1	7 58 39	−66.82	133.62	+22 39.8	− 3.5			
3	O	3 38.5	8 25 8	−66.23	131.22	+21 49.7	− 4.8			
	U	16 2.5	8 51 7	−65.59	128.66	+20 44.5	− 6.0			
4	O	4 25.9	9 16 35	−64.93	126.07	+19 25.2	− 7.2	8 45.5	+19 11	6.5
	U	16 48.8	9 41 32	−64.29	123.58	+17 53.1	− 8.2	9 8.4	+21 40	6.5
5	O	5 11.3	10 6 0	−63.70	121.31	+16 9.4	− 9.1	9 32.0	+16 51	5.9
	U	17 33.3	10 30 4	−63.19	119.36	+14 15.4	− 9.9	9 39.4	+19 17	6.5
6	O	5 55.0	10 53 46	−62.78	117.81	+12 12.1	−10.6	10 27.3	+14 37	5.7
	U	18 16.4	11 17 12	−62.49	116.73	+10 0.7	−11.3	10 41.5	+13 14	6.5
7	O	6 37.6	11 40 29	−62.33	116.16	+ 7 42.3	−11.8	11 19.1	+11 2	4.0
	U	18 58.8	12 3 42	−62.32	116.16	+ 5 17.9	−12.2	11 33.7	+ 8 39	5.5
8	O	7 20.1	12 26 59	−62.47	116.75	+ 2 48.8	−12.5	11 56.2	+ 7 8	4.6
	U	19 41.5	12 50 27	−62.79	117.98	+ 0 16.0	−12.8	12 5.4	+ 6 19	5.7
9	O	8 3.2	13 14 14	−63.29	119.88	− 2 19.0	−13.0	12 37.0	− 0 57	3.0
	U	20 25.4	13 38 28	−63.96	122.46	− 4 54.9	−13.0	12 55.9	− 2 52	6.1
10	O	8 48.2	14 3 17	−64.81	125.71	− 7 29.9	−12.8	13 39.1	− 5 2	6.4
	U	21 11.7	14 28 49	−65.82	129.61	−10 2.1	−12.5	13 43.5	− 6 23	6.5
11	O	9 36.1	14 55 12	−66.97	134.13	−12 29.3	−12.0	14 32.1	−11 55	6.0
	U	22 1.4	15 22 33	−68.24	139.15	−14 49.0	−11.3	14 42.9	−12 27	6.0
12	O	10 27.7	15 50 56	−69.57	144.53	−16 58.5	−10.3	15 17.9	−14 48	6.8
	U	22 55.1	16 20 24	−70.90	150.01	−18 54.6	− 9.0	15 23.1	−16 24	6.0
13	O	11 23.6	16 50 57	−72.17	155.32	−20 34.3	− 7.5	16 21.7	−18 15	5.0
	U	23 53.1	17 22 31	−73.31	160.07	−21 54.4	− 5.8	16 26.7	−21 16	4.7
14	O	12 23.5	17 54 57	+74.22	164.02	−22 52.0	− 3.8	17 19.2	−21 21	6.5
—		—	—	—	—	—	—	17 25.8	−23 54	4.9
15	U	0 54.5	18 28 1	+74.83	166.54	−23 24.9	− 1.6	18 28.3	−24 6	5.9
	O	13 25.9	19 1 27	+75.09	167.54	−23 31.6	+ 0.6	18 32.4	−21 28	6.3
16	U	1 57.3	19 34 56	+74.98	166.95	−23 11.4	+ 2.8	19 34.6	−23 38	6.2
	O	14 28.5	20 8 9	+74.52	164.90	−22 24.9	+ 4.9	19 48.8	−24 10	6.4
17	U	2 59.1	20 40 50	+73.78	161.62	−21 13.6	+ 6.9	20 40.9	−21 51	5.8
	O	15 29.0	21 12 46	+72.82	157.48	−19 39.5	+ 8.7	20 48.3	−19 28	6.5
18	U	3 58.0	21 43 50	+71.74	152.87	−17 45.5	+10.2	21 42.0	−16 33	3.0
	O	16 26.1	22 13 57	+70.61	148.14	−15 34.7	+11.5	21 57.2	−18 21	6.4
19	U	4 53.2	22 43 8	+69.50	143.59	−13 10.3	+12.5	22 44.7	−14 5	4.3
	O	17 19.5	23 11 27	+68.47	139.45	−10 35.4	+13.3	22 48.6	−12 6	5.8
20	U	5 45.0	23 38 59	+67.56	135.87	− 7 53.0	+13.8	23 30.8	− 7 58	6.5
	O	18 9.9	0 5 52	+66.80	132.93	− 5 5.8	+14.1	23 43.8	− 6 53	6.4

Juni 4 13h Apogäum. Juni 16 11h Perigäum.

Mittlerer Mittag und Mitternacht.

Datum		Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
		h m s	m s	° ′ ″	° ′ ″			′ ″
Juni	20.0	23 26 20.04	26 15.85	− 9 8 57.0	+2 39 40.9	8.23596	−205	16 7.8
	20.5	23 52 35.89	25 43.99	6 29 16.1	2 43 4.7	8.23391	213	16 3.2
	21.0	0 18 19.88	25 19.23	3 46 11.4	2 44 15.8	8.23178	219	15 58.5
	21.5	0 43 39.11	25 1.73	− 1 1 55.6	2 43 24.1	8.22959	222	15 53.7
	22.0	1 8 40.84	24 51.32	+ 1 41 28.5	2 40 37.9	8.22737	221	15 48.8
	22.5	1 33 32.16	24 47.55	4 22 6.4	2 36 4.3	8.22516	219	15 44.0
	23.0	1 58 19.71	24 49.89	6 58 10.7	2 29 48.4	8.22297	217	15 39.3
	23.5	2 23 9.60	24 57.51	9 27 59.1	2 21 55.4	8.22080	212	15 34.6
	24.0	2 48 7.11	25 9.44	11 49 54.5	2 12 29.3	8.21868	207	15 30.0
	24.5	3 13 16.55	25 24.53	14 2 23.8	+2 1 34.7	8.21661	−202	15 25.6
	25.0	3 38 41.08	25 41.48	+16 3 58.5	1 49 16.4	8.21459	196	15 21.3
	25.5	4 4 22.56	25 58.79	17 53 14.9	1 35 41.5	8.21263	189	15 17.2
	26.0	4 30 21.35	26 14.94	19 28 56.4	1 20 58.6	8.21074	183	15 13.2
	26.5	4 56 36.29	26 28.42	20 49 55.0	1 5 18.4	8.20891	175	15 9.4
	27.0	5 23 4.71	26 37.82	21 55 13.4	0 48 54.3	8.20716	167	15 5.7
	27.5	5 49 42.53	26 42.06	22 44 7.7	0 32 1.7	8.20549	158	15 2.2
	28.0	6 16 24.59	26 40.32	23 16 9.4	+0 14 57.1	8.20391	147	14 58.9
	28.5	6 43 4.91	26 32.35	23 31 6.5	−0 2 2.6	8.20244	135	14 55.9
	29.0	7 9 37.26	26 18.36	23 29 3.9	0 18 41.2	8.20109	122	14 53.1
	29.5	7 35 55.62	25 58.97	23 10 22.7	−0 34 43.0	8.19987	−106	14 50.7
	30.0	8 1 54.59	25 35.18	+22 35 39.7	0 49 56.1	8.19881	89	14 48.4
	30.5	8 27 29.77	25 8.31	21 45 43.6	1 4 10.8	8.19792	69	14 46.6
Juli	1.0	8 52 38.08	24 39.75	20 41 32.8	1 17 20.4	8.19723	47	14 45.2
	1.5	9 17 17.83	24 10.91	19 24 12.4	1 29 21.4	8.19676	− 24	14 44.3
	2.0	9 41 28.74	23 43.11	17 54 51.0	1 40 11.9	8.19652	+ 1	14 43.8
	2.5	10 5 11.85	23 17.57	16 14 39.1	1 49 52.4	8.19653	29	14 43.8
	3.0	10 28 29.42	22 55.33	14 24 46.7	1 58 24.7	8.19682	58	14 44.4
	3.5	10 51 24.75	22 37.29	12 26 22.0	2 5 51.0	8.19740	88	14 45.6
	4.0	11 14 2.04	22 24.17	10 20 31.0	2 12 13.0	8.19828	120	14 47.4
	4.5	11 36 26.21	22 16.57	8 8 18.0	−2 17 32.2	8.19948	+151	14 49.8
	5.0	11 58 42.78	22 15.04	+ 5 50 45.8	2 21 49.4	8.20099	182	14 52.9
	5.5	12 20 57.82	22 20.00	3 28 56.4	2 25 3.2	8.20281	214	14 56.7
	6.0	12 43 17.82	22 31.87	+ 1 3 53.2	2 27 10.5	8.20495	243	15 1.1
	6.5	13 5 49.69	22 50.92	− 1 23 17.3	2 28 6.5	8.20738	271	15 6.1
	7.0	13 28 40.61	23 17.36	3 51 23.8	2 27 44.0	8.21009	296	15 11.8
	7.5	13 51 57.97	23 51.32	6 19 7.8	2 25 53.3	8.21305	318	15 18.1
	8.0	14 15 49.29	24 32.72	8 45 1.1	2 22 22.0	8.21623	334	15 24.8
	8.5	14 40 22.01	25 21.18	11 7 23.1	2 16 56.1	8.21957	346	15 32.0
	9.0	15 5 43.19	26 15.94	13 24 19.2	2 9 20.9	8.22303	352	15 39.4
	9.5	15 31 59.13		15 33 40.1		8.22655		15 47.0

Juni 28 $5^h 25^m.1$ Neumond. Juli 6 $9^h 18^m.6$ Erstes Viertel.

Im Meridian von Berlin.

Datum und Kulmination			Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
			h m	h m s	s	s	° ′	′	h m	° ′	
Juni	20	*U*	5 45.0	23 38 59	+67.56	135.87	− 7 53.0	+13.8	23 30.8	− 7 58	6.5
		O	18 9.9	0 5 52	+66.80	132.93	− 5 5.8	+14.1	23 43.8	− 6 53	6.4
	21	*U*	6 34.2	0 32 14	+66.20	130.68	− 2 16.3	+14.2	0 30.8	− 1 1	6.0
		O	18 58.1	0 58 13	+65.78	129.12	+ 0 33.2	+14.1	0 48.3	− 1 39	4.9
	22	*U*	7 21.8	1 23 57	+65.52	128.24	+ 3 20.5	+13.8	1 13.1	+ 3 8	5.3
		O	19 45.4	1 49 34	+65.43	127.99	+ 6 3.6	+13.4	1 36.6	+ 5 1	4.7
	23	*U*	8 9.0	2 15 11	+65.48	128.31	+ 8 40.7	+12.8	2 8.1	+ 8 25	4.5
		O	20 32.7	2 40 55	+65.66	129.12	+11 9.9	+12.1	2 19.9	+10 12	5.5
	24	*U*	8 56.6	3 6 51	+65.95	130.30	+13 29.6	+11.2			
		O	21 20.7	3 33 3	+66.29	131.76	+15 38.1	+10.2			
	25	*U*	9 45.2	3 59 33	+66.67	133.36	+17 33.8	+ 9.1			
		O	22 10.0	4 26 22	+67.06	134.94	+19 15.2	+ 7.9			
	26	*U*	10 35.1	4 53 30	+67.40	136.36	+20 41.1	+ 6.5			
		O	23 0.4	5 20 53	+67.67	137.47	+21 50.4	+ 5.0			
	27	*U*	11 25.9	5 48 27	+67.82	138.14	+22 42.2	+ 3.5			
		O	23 51.5	6 16 6	+67.85	138.26	+23 15.9	+ 2.0			
	28	*U*	12 17.1	6 43 43	−67.74	137.84	+23 31.3	+ 0.5			
			—	—	—	—	—	—			
	29	*O*	0 42.5	7 11 11	−67.48	136.80	+23 28.4	− 1.0			
		U	13 7.7	7 38 23	−67.08	135.20	+23 7.8	− 2.4			
	30	*O*	1 32.5	8 5 13	−66.57	133.15	+22 30.1	− 3.8			
		U	13 56.9	8 31 36	−65.98	130.76	+21 36.3	− 5.1			
Juli	1	*O*	2 20.7	8 57 29	−65.32	128.16	+20 27.4	− 6.3			
		U	14 44.0	9 22 51	−64.65	125.50	+19 4.8	− 7.4			
	2	*O*	3 6.8	9 47 41	−63.99	122.91	+17 29.8	− 8.4			
		U	15 29.1	10 12 0	−63.37	120.50	+15 43.7	− 9.3			
	3	*O*	3 50.9	10 35 53	−62.83	118.39	+13 47.7	−10.0	10 11.7	+14 11	5.9
		U	16 12.4	10 59 22	−62.39	116.67	+11 43.0	−10.7	10 16.9	+15 26	6.2
	4	*O*	4 33.6	11 22 34	−62.07	115.40	+ 9 31.0	−11.3	10 59.7	+13 10	6.5
		U	16 54.6	11 45 34	−61.88	114.64	+ 7 12.6	−11.8	11 9.3	+ 8 34	5.9
	5	*O*	5 15.4	12 8 27	−61.84	114.44	+ 4 49.1	−12.1	11 43.2	+ 8 45	5.2
		U	17 36.3	12 31 23	−61.97	114.85	+ 2 21.5	−12.4	11 56.2	+ 7 8	4.6
	6	*O*	5 57.4	12 54 27	−62.28	115.91	− 0 9.0	−12.6	12 33.7	+ 2 22	6.1
		U	18 18.7	13 17 48	−62.76	117.64	− 2 41.1	−12.7	12 37.0	− 0 57	3.0
	7	*O*	6 40.4	13 41 34	−63.42	120.07	− 5 13.7	−12.7	13 18.6	− 4 27	6.1
		U	19 2.7	14 5 54	−64.26	123.21	− 7 45.1	−12.5	13 30.7	− 4 56	5.8
	8	*O*	7 25.7	14 30 56	−65.28	127.07	−10 13.7	−12.2	14 1.9	− 8 52	5.7
		U	19 49.5	14 56 48	−66.45	131.62	−12 37.4	−11.7	14 8.0	− 9 51	4.3
	9	*O*	8 14.3	15 23 39	−67.76	136.77	−14 54.1	−11.0	14 49.4	−11 31	5.9
		U	20 40.2	15 51 35	−69.16	142.39	−17 1.1	−10.1	14 53.9	−10 46	6.2

Juli 2 6h Apogäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Juli 9.0	15 5 43.19	26 15.94	−13 24 19.2	−2 9 20.9	8.22303	+352	15 39.4
9.5	15 31 59.13	27 15.68	15 33 40.1	1 59 21.0	8.22655	351	15 47.0
10.0	15 59 14.81	28 18.47	17 33 1.1	1 46 43.8	8.23006	343	15 54.7
10.5	16 27 33.28	29 21.65	19 19 44.9	1 31 20.8	8.23349	328	16 2.3
11.0	16 56 54.93	30 21.74	20 51 5.7	1 13 11.0	8.23677	304	16 9.6
11.5	17 27 16.67	31 14.90	22 4 16.7	0 52 25.5	8.23981	272	16 16.4
12.0	17 58 31.57	31 57.16	22 56 42.2	0 29 27.2	8.24253	234	16 22.5
12.5	18 30 28.73	32 25.16	23 26 9.4	−0 4 52.2	8.24487	191	16 27.8
13.0	19 2 53.89	32 36.57	23 31 1.6	+0 20 31.5	8.24678	142	16 32.2
13.5	19 35 30.46	32 30.85	23 10 30.1	+0 45 49.1	8.24820	+ 89	16 35.5
14.0	20 8 1.31	32 9.04	−22 24 41.0	1 10 5.8	8.24909	+ 35	16 37.5
14.5	20 40 10.35	31 33.89	21 14 35.2	1 32 32.0	8.24944	− 20	16 38.3
15.0	21 11 44.24	30 49.06	19 42 3.2	1 52 28.5	8.24924	72	16 37.8
15.5	21 42 33.30	29 58.51	17 49 34.7	2 9 29.2	8.24852	121	16 36.1
16.0	22 12 31.81	29 6.08	15 40 5.5	2 23 20.4	8.24731	164	16 33.4
16.5	22 41 37.89	28 14.99	13 16 45.1	2 33 59.7	8.24567	203	16 29.7
17.0	23 9 52.88	27 27.75	10 42 45.4	2 41 33.7	8.24364	234	16 25.1
17.5	23 37 20.63	26 46.06	8 1 11.7	2 46 13.5	8.24130	260	16 19.8
18.0	0 4 6.69	26 11.04	5 14 58.2	2 48 13.8	8.23870	279	16 13.9
18.5	0 30 17.73	25 43.19	− 2 26 44.4	+2 47 49.6	8.23591	−290	16 7.7
19.0	0 56 0.92	25 22.71	+ 0 21 5.2	2 45 15.3	8.23301	297	16 1.2
19.5	1 21 23.63	25 9.37	3 6 20.5	2 40 44.6	8.23004	298	15 54.7
20.0	1 46 33.00	25 2.74	5 47 5.1	2 34 28.2	8.22706	294	15 48.2
20.5	2 11 35.74	25 2.19	8 21 33.3	2 26 35.1	8.22412	287	15 41.8
21.0	2 36 37.93	25 6.86	10 48 8.4	2 17 13.7	8.22125	276	15 35.6
21.5	3 1 44.79	25 15.79	13 5 22.1	2 6 30.4	8.21849	264	15 29.6
22.0	3 27 0.58	25 27.81	15 11 52.5	1 54 31.0	8.21585	249	15 24.0
22.5	3 52 28.39	25 41.63	17 6 23.5	1 41 21.8	8.21336	233	15 18.7
23.0	4 18 10.02	25 55.80	18 47 45.3	1 27 9.7	8.21103	218	15 13.8
23.5	4 44 5.82	26 8.93	20 14 55.0	+1 12 3.1	8.20885	−200	15 9.2
24.0	5 10 14.75	26 19.55	+21 26 58.1	0 56 11.9	8.20685	184	15 5.0
24.5	5 36 34.30	26 26.41	22 23 10.0	0 39 47.3	8.20501	167	15 1.2
25.0	6 3 0.71	26 28.50	23 2 57.3	0 23 3.3	8.20334	151	14 57.8
25.5	6 29 29.21	26 25.15	23 26 0.6	+0 6 14.6	8.20183	135	14 54.6
26.0	6 55 54.36	26 16.09	23 32 15.2	−0 10 24.3	8.20048	119	14 51.9
26.5	7 22 10.45	26 1.57	23 21 50.9	0 26 38.4	8.19929	103	14 49.4
27.0	7 48 12.02	25 42.16	22 55 12.5	0 42 14.2	8.19826	86	14 47.3
27.5	8 13 54.18	25 18.80	22 12 58.3	0 57 0.0	8.19740	70	14 45.6
28.0	8 39 12.98	24 52.66	21 15 58.3	1 10 46.6	8.19670	53	14 44.1
28.5	9 4 5.64		20 5 11.7		8.19617		14 43.0

Juli 13 10h 41m.5 Vollmond. Juli 20 0h 55m.3 Letzt. Viert. Juli 27 20h 10m.4 Neumond.

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
		h m	h m s	s	s	° ′	′	h m	° ′	
Juli 9	*O*	8 14.3	15 23 39	−67.76	136.77	−14 54.1	−11.0	14 49.4	−11 31	5.9
	U	20 40.2	15 51 35	−69.16	142.39	−17 1.1	−10.1	14 53.9	−10 46	6.2
10	*O*	9 7.3	16 20 40	−70.60	148.30	−18 55.4	− 8.9	15 48.6	−16 28	4.3
	U	21 35.5	16 50 56	−72.01	154.20	−20 34.1	− 7.5	15 55.2	−16 16	5.6
11	*O*	10 4.9	17 22 21	−73.31	159.73	−21 53.9	− 5.8	16 50.1	−21 25	6.5
	U	22 35.3	17 54 48	−74.41	164.45	−22 51.7	− 3.8	16 56.5	−18 45	6.5
12	*O*	11 6.5	18 28 5	−75.22	167.98	−23 24.8	− 1.7	17 54.2	−23 48	4.6
	U	23 38.3	19 1 55	−75.67	169.99	−23 31.3	+ 0.6	17 59.6	−24 24	6.5
13	*O*	12 10.3	19 35 58	+75.73	170.27	−23 10.0	+ 2.9	18 59.2	−21 53	3.9
—		—	—	—	—	—	—	19 9.9	−25 25	4.9
14	*U*	0 42.1	20 9 55	+75.41	168.84	−22 21.2	+ 5.2	20 12.7	−22 6	6.0
	O	13 13.6	20 43 26	+74.75	165.95	−21 6.1	+ 7.3	20 23.7	−21 12	6.5
15	*U*	1 44.4	21 16 16	+73.83	161.97	−19 26.9	+ 9.2	21 19.0	−21 15	5.6
	O	14 14.3	21 48 13	+72.74	157.31	−17 26.6	+10.8	21 24.9	−19 33	6.5
16	*U*	2 43.2	22 19 12	+71.58	152.38	−15 8.7	+12.1	22 14.1	−13 46	6.3
	O	15 11.2	22 49 13	+70.41	147.53	−12 36.8	+13.1	22 19.6	−14 0	6.0
17	*U*	3 38.2	23 18 17	+69.31	143.03	− 9 54.4	+13.9	23 14.2	−10 7	5.2
	O	16 4.4	23 46 30	+68.33	139.07	− 7 5.1	+14.3	23 30.8	− 7 58	6.5
18	*U*	4 29.8	0 13 59	+67.51	135.74	− 4 12.0	+14.5	0 5.6	− 5 46	5.9
	O	16 54.7	0 40 52	+66.85	133.10	− 1 17.9	+14.5	0 19.8	− 2 44	6.0
19	*U*	5 19.1	1 7 18	+66.35	131.18	+ 1 34.8	+14.3	1 5.8	+ 1 57	6.3
	O	17 43.1	1 33 24	+66.03	129.94	+ 4 23.6	+13.9	1 13.1	+ 3 8	5.3
20	*U*	6 7.0	1 59 19	+65.87	129.34	+ 7 6.7	+13.3	2 6.5	+ 8 8	5.7
	O	18 30.8	2 25 11	+65.86	129.32	+ 9 42.2	+12.6	2 19.9	+10 12	5.5
21	*U*	6 54.7	2 51 5	+65.97	129.79	+12 8.4	+11.8	3 1.3	+12 50	5.9
	O	19 18.7	3 17 7	+66.17	130.66	+14 23.8	+10.8	3 6.3	+12 42	6.3
22	*U*	7 42.9	3 43 21	+66.44	131.81	+16 26.9	+ 9.7	3 34.2	+16 14	6.4
	O	20 7.3	4 9 50	+66.75	133.11	+18 16.5	+ 8.5	3 47.9	+17 3	6.0
23	*U*	8 32.0	4 36 35	+67.06	134.41	+19 51.3	+ 7.2	4 32.8	+20 30	5.8
	O	20 57.0	5 3 35	+67.33	135.58	+21 10.1	+ 5.9	4 40.9	+18 34	6.5
24	*U*	9 22.2	5 30 47	+67.53	136.48	+22 12.2	+ 4.5			
	O	21 47.5	5 58 8	+67.63	136.98	+22 56.9	+ 3.0			
25	*U*	10 12.8	6 25 33	+67.60	137.00	+23 23.6	+ 1.5			
	O	22 38.1	6 52 55	+67.45	136.49	+23 32.4	0.0			
26	*U*	11 3.3	7 20 7	+67.16	135.43	+23 23.3	− 1.5			
	O	23 28.2	7 47 4	+66.74	133.86	+22 56.7	− 2.9			
27	*U*	11 52.8	8 13 39	+66.22	131.86	+22 13.5	− 4.2			
—		—	—	—	—	—	—			
28	*O*	0 16.9	8 39 48	−65.62	129.66	+21 14.5	− 5.5			
	U	12 40.5	9 5 29	−64.97	127.16	+20 0.8	− 6.7			

Juli 14 14h Perigäum.

Mittlerer Mittag und Mitternacht.

Datum		Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
		h m s	m s	° ′ ″	° ′ ″			′ ″
Juli	28.0	8 39 12.98	24 52.66	+21 15 58.3	−1 10 46.6	8.19670	−53	14 44.1
	28.5	9 4 5.64	24 25.02	20 5 11.7	1 23 27.2	8.19617	35	14 43.0
	29.0	9 28 30.66	23 57.16	18 41 44.5	1 34 57.5	8.19582	−16	14 42.3
	29.5	9 52 27.82	23 30.35	17 6 47.0	1 45 15.5	8.19566	+4	14 42.0
	30.0	10 15 58.17	23 5.64	15 21 31.5	1 54 21.0	8.19570	24	14 42.1
	30.5	10 39 3.81	22 44.06	13 27 10.5	2 2 14.3	8.19594	47	14 42.6
	31.0	11 1 47.87	22 26.39	11 24 56.2	2 8 57.2	8.19641	70	14 43.6
	31.5	11 24 14.26	22 13.35	9 15 59.0	2 14 32.1	8.19711	95	14 45.0
Aug.	1.0	11 46 27.61	22 5.56	7 1 26.9	2 18 59.7	8.19806	121	14 46.9
	1.5	12 8 33.17	22 3.49	4 42 27.2	−2 22 20.9	8.19927	+148	14 49.4
	2.0	12 30 36.66	22 7.55	+2 20 6.3	2 24 36.0	8.20075	175	14 52.4
	2.5	12 52 44.21	22 18.18	−0 4 29.7	2 25 42.7	8.20250	202	14 56.0
	3.0	13 15 2.39	22 35.64	2 30 12.4	2 25 38.0	8.20452	230	15 0.2
	3.5	13 37 38.03	23 0.16	4 55 50.4	2 24 16.6	8.20682	257	15 5.0
	4.0	14 0 38.19	23 31.90	7 20 7.0	2 21 30.6	8.20939	281	15 10.4
	4.5	14 24 10.09	24 10.78	9 41 37.6	2 17 11.4	8.21220	304	15 16.3
	5.0	14 48 20.87	24 56.58	11 58 49.0	2 11 7.2	8.21524	325	15 22.7
	5.5	15 13 17.45	25 48.65	14 9 56.2	2 3 5.4	8.21849	341	15 29.6
	6.0	15 39 6.10	26 45.91	16 13 1.6	1 52 53.2	8.22190	351	15 37.0
	6.5	16 5 52.01	27 46.73	18 5 54.8	−1 40 18.4	8.22541	+358	15 44.6
	7.0	16 33 38.74	28 48.78	−19 46 13.2	1 25 12.4	8.22899	357	15 52.4
	7.5	17 2 27.52	29 49.07	21 11 25.6	1 7 32.2	8.23256	349	16 0.2
	8.0	17 32 16.59	30 44.08	22 18 57.8	0 47 23.6	8.23605	334	16 8.0
	8.5	18 3 0.67	31 30.14	23 6 21.4	0 25 3.3	8.23939	310	16 15.5
	9.0	18 34 30.81	32 3.84	23 31 24.7	−0 1 0.9	8.24249	277	16 22.5
	9.5	19 6 34.65	32 22.66	23 32 25.6	+0 24 2.4	8.24526	238	16 28.8
	10.0	19 38 57.31	32 25.44	23 8 23.2	0 49 17.5	8.24764	192	16 34.2
	10.5	20 11 22.75	32 12.66	22 19 5.7	1 13 50.3	8.24956	138	16 38.6
	11.0	20 43 35.41	31 46.30	21 5 15.4	1 36 48.8	8.25094	81	16 41.7
	11.5	21 15 21.71	31 9.47	19 28 26.6	+1 57 28.5	8.25175	+23	16 43.6
	12.0	21 46 31.18	30 25.80	−17 30 58.1	2 15 15.7	8.25198	−37	16 44.2
	12.5	22 16 56.98	29 38.95	15 15 42.4	2 29 48.4	8.25161	97	16 43.3
	13.0	22 46 35.93	28 52.15	12 45 54.0	2 40 57.1	8.25064	152	16 41.1
	13.5	23 15 28.08	28 7.98	10 4 56.9	2 48 42.6	8.24912	201	16 37.6
	14.0	23 43 36.06	27 28.35	7 16 14.3	2 53 12.9	8.24711	244	16 33.0
	14.5	0 11 4.41	26 54.54	4 23 1.4	2 54 41.4	8.24467	281	16 27.4
	15.0	0 37 58.95	26 27.16	−1 28 20.0	2 53 24.9	8.24186	309	16 21.1
	15.5	1 4 26.11	26 6.42	+1 25 4.9	2 49 40.0	8.23877	330	16 14.1
	16.0	1 30 32.53	25 52.22	4 14 44.9	2 43 43.9	8.23547	342	16 6.7
	16.5	1 56 24.75		6 58 28.8		8.23205		15 9.1

Aug. 4 22h 34.0m Erstes Viertel. Aug. 11 17h 52.4m Vollmond.

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
	h m	h m s	s	s	° '	'	h m	° '	
Juli 28 O	0 16.9	8 39 48	−65.62	129.66	+21 14.5	− 5.5			
U	12 40.5	9 5 29	−64.97	127.16	+20 0.8	− 6.7			
29 O	1 3.7	9 30 39	−64.30	124.59	+18 33.7	− 7.8			
U	13 26.3	9 55 18	−63.65	122.08	+16 54.6	− 8.8			
30 O	1 48.4	10 19 28	−63.03	119.73	+15 4.8	− 9.6			
U	14 10.1	10 43 12	−62.49	117.65	+13 5.6	−10.3			
31 O	2 31.4	11 6 32	−62.05	115.91	+10 58.3	−10.9			
U	14 52.4	11 29 35	−61.72	114.59	+ 8 44.2	−11.4			
Aug. 1 O	3 13.2	11 52 24	−61.52	113.74	+ 6 24.5	−11.8			
U	15 33.9	12 15 6	−61.47	113.42	+ 4 0.4	−12.1			
2 O	3 54.6	12 37 48	−61.58	113.68	+ 1 33.2	−12.4	12 5.4	+ 6 19	5.7
U	16 15.4	13 0 37	−61.84	114.53	− 0 56.1	−12.5	12 15.7	+ 3 49	5.2
3 O	4 36.4	13 23 40	−62.28	116.03	− 3 26.2	−12.5	12 55.9	− 2 52	6.1
U	16 57.8	13 47 6	−62.90	118.19	− 5 55.8	−12.4	13 5.2	− 5 3	4.4
4 O	5 19.7	14 11 1	−63.70	121.03	− 8 23.4	−12.2	13 43.5	− 6 23	6.5
U	17 42.2	14 35 34	−64.65	124.56	−10 47.5	−11.8	13 50.2	− 7 36	6.4
5 O	6 5.5	15 0 55	−65.77	128.75	−13 6.3	−11.3	14 32.1	−11 55	6.0
U	18 29.7	15 27 9	−67.03	133.56	−15 17.7	−10.6	14 42.9	−12 27	6.0
6 O	6 54.9	15 54 24	−68.39	138.89	−17 19.5	− 9.7	15 25.5	−16 18	5.8
U	19 21.2	16 22 46	−69.81	144.59	−19 9.0	− 8.5	15 30.4	−14 29	4.1
7 O	7 48.7	16 52 17	−71.22	150.40	−20 43.5	− 7.1	16 21.7	−18 15	5.0
U	20 17.3	17 22 57	−72.56	156.02	−22 0.1	− 5.5	16 26.7	−21 16	4.7
8 O	8 47.0	17 54 41	−73.74	161.08	−22 55.8	− 3.7	17 19.2	−21 21	6.5
U	21 17.6	18 27 21	−74.69	165.21	−23 27.8	− 1.6	17 25.8	−23 54	4.9
9 O	9 48.9	19 0 43	−75.32	168.04	−23 34.1	+ 0.6	18 22.3	−25 28	2.9
U	22 20.6	19 34 29	−75.59	169.34	−23 13.2	+ 2.9	18 28.3	−24 6	5.9
10 O	10 52.4	20 8 20	−75.49	169.04	−22 24.8	+ 5.2	19 30.5	−24 55	5.8
U	23 24.0	20 41 59	−75.05	167.26	−21 9.5	+ 7.3	19 34.6	−23 38	6.2
11 O	11 55.1	21 15 9	−74.33	164.26	−19 29.2	+ 9.3	20 40.9	−21 51	5.8
—	—	—	—	—	—	—	20 48.3	−19 28	6.5
12 U	0 25.5	21 47 37	+73.41	160.23	−17 26.5	+11.1	21 42.0	−16 33	3.0
O	12 55.1	22 19 15	+72.39	155.89	−15 4.7	+12.5	21 57.2	−18 21	6.4
13 U	1 23.8	22 50 0	+71.32	151.44	−12 27.7	+13.6	22 48.7	−12 6	5.8
O	13 51.7	23 19 53	+70.29	147.19	− 9 39.2	+14.4	22 54.8	−13 34	6.5
14 U	2 18.7	23 48 57	+69.35	143.34	− 6 43.1	+14.9	23 43.8	− 6 53	6.4
O	14 45.0	0 17 17	+68.55	140.04	− 3 43.0	+15.1	23 57.3	− 6 32	4.7
15 U	3 10.7	0 45 2	+67.89	137.36	− 0 42.2	+15.0	0 48.3	− 1 39	4.9
O	15 35.9	1 12 18	+67.39	135.32	+ 2 16.5	+14.7	0 59.1	+ 0 52	6.0
16 U	4 0.8	1 39 13	+67.06	133.91	+ 5 10.3	+14.2	1 25.4	+ 5 40	5.2
O	16 25.5	2 5 55	+66.87	133.10	+ 7 57.0	+13.5	1 36.7	+ 5 1	4.7

Juli 29 16h Apogäum. Aug. 11 22h Perigäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ' "	° ' "			' "
Aug. 16.0	1 30 32.53	25 52.22	+ 4 14 44.9	+2 43 43.9	8.23547	−342	16 6.7
16.5	1 56 24.75	25 44.08	6 58 28.8	2 35 52.2	8.23205	348	15 59.1
17.0	2 22 8.83	25 41.40	9 34 21.0	2 26 18.6	8.22857	346	15 51.5
17.5	2 47 50.23	25 43.27	12 0 39.6	2 15 15.3	8.22511	339	15 43.9
18.0	3 13 33.50	25 48.72	14 15 54.9	2 2 53.7	8.22172	327	15 36.6
18.5	3 39 22.22	25 56.54	16 18 48.6	1 49 23.5	8.21845	311	15 29.6
19.0	4 5 18.76	26 5.52	18 8 12.1	1 34 53.7	8.21534	292	15 22.9
19.5	4 31 24.28	26 14.33	19 43 5.8	1 19 34.0	8.21242	270	15 16.7
20.0	4 57 38.61	26 21.68	21 2 39.8	1 3 34.5	8.20972	246	15 11.0
20.5	5 24 0.29		22 6 14.3		8.20726		15 5.9
		26 26.39		+0 47 5.7		−223	
21.0	5 50 26.68	26 27.44	+22 53 20.0	0 30 19.5	8.20503	198	15 1.3
21.5	6 16 54.12	26 24.10	23 23 39.5	+0 13 28.1	8.20305	173	14 57.2
22.0	6 43 18.22	26 16.00	23 37 7.6	−0 3 15.6	8.20132	149	14 53.6
22.5	7 9 34.22	26 3.12	23 33 52.0	0 19 39.1	8.19983	126	14 50.5
23.0	7 35 37.34	25 45.82	23 14 12.9	0 35 30.1	8.19857	103	14 48.0
23.5	8 1 23.16	25 24.73	22 38 42.8	0 50 37.8	8.19754	80	14 45.9
24.0	8 26 47.89	25 0.77	21 48 5.0	1 4 53.2	8.19674	60	14 44.2
24.5	8 51 48.66	24 34.99	20 43 11.8	1 18 8.2	8.19614	40	14 43.0
25.0	9 16 23.65	24 8.53	19 25 3.6	1 30 17.7	8.19574	20	14 42.2
25.5	9 40 32.18		17 54 45.9		8.19554		14 41.8
		23 42.44		−1 41 17.6		− 2	
26.0	10 4 14.62	23 17.79	+16 13 28.3	1 51 5.7	8.19552	+ 16	14 41.7
26.5	10 27 32.41	22 55.48	14 22 22.6	1 59 41.0	8.19568	34	14 42.1
27.0	10 50 27.89	22 36.35	12 22 41.6	2 7 3.2	8.19602	52	14 42.8
27.5	11 13 4.24	22 21.04	10 15 38.4	2 13 12.5	8.19654	70	14 43.8
28.0	11 35 25.28	22 10.16	8 2 25.9	2 18 9.7	8.19724	88	14 45.2
28.5	11 57 35.44	22 4.20	5 44 16.2	2 21 55.0	8.19812	106	14 47.0
29.0	12 19 39.64	22 3.58	3 22 21.2	2 24 28.5	8.19918	125	14 49.2
29.5	12 41 43.22	22 8.63	+ 0 57 52.7	2 25 49.3	8.20043	145	14 51.8
30.0	13 3 51.85	22 19.65	− 1 27 56.6	2 25 56.1	8.20188	165	14 54.8
30.5	13 26 11.50		3 53 52.7		8.20353		14 58.2
		22 36.88		−2 24 45.3		+185	
31.0	13 48 48.38	23 0.47	− 6 18 38.0	2 22 13.4	8.20538	207	15 2.0
31.5	14 11 48.85	23 30.43	8 40 51.4	2 18 14.6	8.20745	227	15 6.3
Sept. 1.0	14 35 19.28	24 6.68	10 59 6.0	2 12 42.0	8.20972	248	15 11.0
1.5	14 59 25.96	24 48.84	13 11 48.0	2 5 27.4	8.21220	267	15 16.3
2.0	15 24 14.80	25 36.30	15 17 15.4	1 56 22.3	8.21487	284	15 21.9
2.5	15 49 51.10	26 27.99	17 13 37.7	1 45 17.6	8.21771	300	15 28.0
3.0	16 16 19.09	27 22.41	18 58 55.3	1 32 5.6	8.22071	314	15 34.4
3.5	16 43 41.50	28 17.56	20 31 0.9	1 16 41.5	8.22385	322	15 41.2
4.0	17 11 59.06	29 10.91	21 47 42.4	0 59 5.0	8.22707	326	15 48.2
4.5	17 41 9.97		22 46 47.4		8.23033		15 55.3

Aug. 18 $10^h 19^m.1$ Letzt. Viert. Aug. 26 $11^h 52^m.5$ Neumond. Sept. 3 $9^h 44^m.4$ Erst. Viert.

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1^h Länge	Dekl.	Bew. in 1^h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
		h m	h m s	s	s	° '	'	h m	° '	
Aug. 16	U	4 0.8	1 39 13	+67.06	133.91	+ 5 10.3	+14.2	1 25.4	+ 5 40	5.2
	O	16 25.5	2 5 55	+66.87	133.10	+ 7 57.0	+13.5	1 36.7	+ 5 1	4.7
17	U	4 50.0	2 32 30	+66.80	132.81	+10 34.5	+12.7	2 31.6	+12 3	5.6
	O	17 14.5	2 59 4	+66.85	132.96	+13 1.2	+11.7	2 37.5	+10 21	6.3
18	U	5 39.1	3 25 42	+66.99	133.46	+15 15.4	+10.6	3 25.8	+12 37	4.3
	O	18 3.8	3 52 28	+67.18	134.20	+17 15.8	+ 9.4	3 34.2	+16 14	6.4
19	U	6 28.7	4 19 23	+67.39	135.04	+19 1.3	+ 8.1	4 17.6	+17 20	3.9
	O	18 53.8	4 46 28	+67.58	135.85	+20 30.8	+ 6.7	4 23.3	+18 59	3.7
20	U	7 19.0	5 13 42	+67.73	136.51	+21 43.4	+ 5.3	5 15.5	+19 43	6.5
	O	19 44.3	5 41 3	+67.81	136.91	+22 38.5	+ 3.8	5 22.1	+21 52	4.8
21	U	8 9.6	6 8 26	+67.79	136.94	+23 15.8	+ 2.3	6 10.7	+24 0	6.5
	O	20 34.9	6 35 48	+67.65	136.53	+23 35.0	+ 0.8	6 17.4	+22 34	3.2
22	U	9 0.1	7 3 2	+67.39	135.66	+23 36.2	— 0.7			
	O	21 25.1	7 30 2	+67.02	134.34	+23 19.8	— 2.1			
23	U	9 49.8	7 56 45	+66.55	132.62	+22 46.3	— 3.5			
	O	22 14.1	8 23 5	+65.98	130.56	+21 56.4	— 4.8			
24	U	10 37.9	8 48 59	+65.36	128.27	+20 51.3	— 6.0			
	O	23 1.3	9 14 24	+64.70	125.85	+19 31.9	— 7.2			
25	U	11 24.2	9 39 20	+64.03	123.42	+17 59.5	— 8.2			
	O	23 46.6	10 3 48	+63.39	121.09	+16 15.4	— 9.1			
26	U	12 8.6	10 27 49	—62.81	119.02	+14 21.0	— 9.9			
—		—	—	—	—	—	—			
27	O	0 30.2	10 51 25	—62.29	117.12	+12 17.5	—10.6			
	U	12 51.4	11 14 40	—61.88	115.56	+10 6.3	—11.2			
28	O	1 12.3	11 37 39	—61.58	114.38	+ 7 48.7	—11.7			
	U	13 33.1	12 0 27	—61.40	113.65	+ 5 26.1	—12.1			
29	O	1 53.8	12 23 9	—61.36	113.41	+ 2 59.7	—12.3			
	U	14 14.5	12 45 51	—61.47	113.68	+ 0 30.7	—12.4			
30	O	2 35.3	13 8 40	—61.73	114.51	— 1 59.5	—12.5			
	U	14 56.3	13 31 42	—62.16	115.91	— 4 29.5	—12.5			
31	O	3 17.6	13 55 5	—62.75	117.91	— 6 58.0	—12.3			
	U	15 39.4	14 18 55	—63.50	120.51	— 9 23.5	—12.0			
Sept. 1	O	4 1.8	14 43 21	—64.40	123.72	—11 44.4	—11.5	14 12.5	— 8 36	6.5
	U	16 24.9	15 8 29	—65.44	127.51	—13 58.9	—10.9	14 32.1	—11 55	6.0
2	O	4 48.8	15 34 25	—66.59	131.83	—16 5.1	—10.1	15 17.9	—14 48	6.8
	U	17 13.7	16 1 16	—67.84	136.59	—18 1.0	— 9.2	15 23.1	—16 24	6.0
3	O	5 39.5	16 29 6	—69.14	141.64	—19 44.1	— 8.0	15 55.2	—16 16	5.6
	U	18 6.3	16 57 58	—70.43	146.80	—21 12.1	— 6.6	16 4.6	—18 6	6.5
4	O	6 34.1	17 27 51	—71.66	151.80	—22 22.4	— 5.0	16 50.1	—21 25	6.5
	U	19 2.9	17 58 41	—72.75	156.36	—23 12.4	— 3.2	16 59.3	—20 22	6.5

Aug. 25 19^h Apogäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Sept. 4.0	17 11 59.06	29 10.91	−21 47 42.4	−0 59 5.0	8.22707	+326	15 48.2
4.5	17 41 9.97	29 59.64	22 46 47.4	0 39 22.6	8.23033	325	15 55.3
5.0	18 11 9.61	30 40.78	23 26 10.0	−0 17 49.0	8.23358	318	16 2.5
5.5	18 41 50.39	31 11.67	23 43 59.0	+0 5 11.6	8.23676	303	16 9.6
6.0	19 13 2.06	31 30.39	23 38 47.4	0 29 6.1	8.23979	282	16 16.4
6.5	19 44 32.45	31 35.99	23 9 41.3	0 53 14.5	8.24261	252	16 22.7
7.0	20 16 8.44	31 28.81	22 16 26.8	1 16 52.4	8.24513	216	16 28.5
7.5	20 47 37.25	31 10.31	20 59 34.4	1 39 15.0	8.24729	173	16 33.4
8.0	21 18 47.56	30 42.90	19 20 19.4	1 59 41.8	8.24902	125	16 37.3
8.5	21 49 30.46		17 20 37.6		8.25027		16 40.2
		30 9.45		+2 17 38.2		+ 70	
9.0	22 19 39.91	29 32.94	−15 2 59.4	2 32 38.3	8.25097	+ 12	16 41.8
9.5	22 49 12.85	28 56.09	12 30 21.1	2 44 25.7	8.25109	− 46	16 42.1
10.0	23 18 8.94	28 21.17	9 45 55.4	2 52 52.8	8.25063	103	16 41.1
10.5	23 46 30.11	27 49.88	6 53 2.6	2 57 59.9	8.24960	157	16 38.7
11.0	0 14 19.99	27 23.37	3 55 2.7	2 59 52.9	8.24803	208	16 35.1
11.5	0 41 43.36	27 2.26	− 0 55 9.8	2 58 43.0	8.24595	253	16 30.3
12.0	1 8 45.62	26 46.77	+ 2 3 33.2	2 54 44.4	8.24342	290	16 24.6
12.5	1 35 32.39	26 36.71	4 58 17.6	2 48 13.6	8.24052	320	16 18.0
13.0	2 2 9.10	26 31.62	7 46 31.2	2 39 27.4	8.23732	342	16 10.8
13.5	2 28 40.72		10 25 58.6		8.23390		16 3.2
		26 30.75		+2 28 42.4		−355	
14.0	2 55 11.47	26 33.20	+12 54 41.0	2 16 14.9	8.23035	361	15 55.4
14.5	3 21 44.67	26 37.88	15 10 55.9	2 2 21.0	8.22674	359	15 47.5
15.0	3 48 22.55	26 43.56	17 13 16.9	1 47 15.5	8.22315	352	15 39.7
15.5	4 15 6.11	26 49.02	19 0 32.4	1 31 12.7	8.21963	337	15 32.1
16.0	4 41 55.13	26 53.01	20 31 45.1	1 14 27.2	8.21626	319	15 24.9
16.5	5 8 48.14	26 54.38	21 46 12.3	0 57 12.8	8.21307	296	15 18.1
17.0	5 35 42.52	26 52.28	22 43 25.1	0 39 43.4	8.21011	271	15 11.9
17.5	6 2 34.80	26 46.05	23 23 8.5	0 22 12.6	8.20740	244	15 6.2
18.0	6 29 20.85	26 35.35	23 45 21.1	+0 4 53.0	8.20496	214	15 1.1
18.5	6 55 56.20		23 50 14.1		8.20282		14 56.7
		26 20.25		−0 12 2.9		−184	
19.0	7 22 16.45	26 1.10	+23 38 11.2	0 28 24.3	8.20098	153	14 52.9
19.5	7 48 17.55	25 38.59	23 9 46.9	0 44 1.6	8.19945	124	14 49.8
20.0	8 13 56.14	25 13.59	22 25 45.3	0 58 47.2	8.19821	94	14 47.2
20.5	8 39 9.73	24 47.09	21 26 58.1	1 12 34.7	8.19727	66	14 45.3
21.0	9 3 56.82	24 20.12	20 14 23.4	1 25 19.6	8.19661	39	14 44.0
21.5	9 28 16.94	23 53.70	18 49 3.8	1 36 58.6	8.19622	− 15	14 43.2
22.0	9 52 10.64	23 28.77	17 12 5.2	1 47 29.3	8.19607	+ 10	14 42.9
22.5	10 15 39.41	23 6.18	15 24 35.9	1 56 50.3	8.19617	32	14 43.1
23.0	10 38 45.59	22 46.64	13 27 45.6	2 5 0.9	8.19649	50	14 43.7
23.5	11 1 32.23		11 22 44.7		8.19699		14 44.7

Sept. 10 1h 16.9m Vollmond. Sept. 16 23h 27.0m Letztes Viertel.

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1^h Länge	Dekl.	Bew. in 1^h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
	h m	h m s	s	s	° ′	′	h m	° ′	
Sept. 4 O	6 34.1	17 27 51	−71.66	151.80	−22 22.4	− 5.0	16 50.1	−21 25	6.5
U	19 2.9	17 58 41	−72.75	156.36	−23 12.4	− 3.2	16 59.3	−20 22	6.5
5 O	7 32.5	18 30 22	−73.65	160.17	−23 40.0	− 1.3	17 56.4	−22 47	6.0
U	20 2.8	19 2 43	−74.28	162.96	−23 43.1	+ 0.8	18 1.7	−21 27	6.4
6 O	8 33.5	19 35 29	−74.61	164.52	−23 20.5	+ 3.0	18 59.2	−21 53	3.9
U	21 4.4	20 8 26	−74.63	164.77	−22 31.6	+ 5.2	19 9.9	−25 25	4.9
7 O	9 35.2	20 41 18	−74.36	163.79	−21 16.9	+ 7.3	19 58.3	−22 51	6.4
U	22 5.7	21 13 52	−73.84	161.75	−19 37.5	+ 9.3	20 12.7	−22 6	6.0
8 O	10 35.7	21 45 56	−73.14	158.92	−17 35.6	+11.0	21 12.8	−18 22	5.4
U	23 5.1	22 17 23	−72.32	155.61	−15 14.0	+12.5	21 19.0	−21 15	5.6
9 O	11 33.9	22 48 9	−71.46	152.14	−12 36.1	+13.7	22 14.1	−13 46	6.3
—	—	—	—	—	—	—	22 19.6	−14 0	6.0
10 U	0 1.9	23 18 13	−70.63	148.63	− 9 45.5	+14.6	23 14.2	−10 7	5.2
O	12 29.3	23 47 39	+69.86	145.51	− 6 45.9	+15.2	23 30.8	− 7 58	6.5
11 U	0 56.1	0 16 29	+69.20	142.83	− 3 41.1	+15.5	0 19.8	− 2 44	6.0
O	13 22.4	0 44 50	+68.67	140.67	− 0 34.6	+15.5	0 30.9	− 1 1	6.0
12 U	1 48.3	1 12 48	+68.28	139.05	+ 2 30.2	+15.2	1 13.1	+ 3 8	5.3
O	14 13.9	1 40 30	+68.03	137.97	+ 5 30.2	+14.7	1 25.4	+ 5 40	5.2
13 U	2 39.4	2 8 2	+67.91	137.38	+ 8 22.7	+14.0	2 8.2	+ 8 25	4.5
O	15 4.8	2 35 29	+67.91	137.22	+11 5.3	+13.1	2 19.9	+10 12	5.5
14 U	3 30.2	3 2 56	+67.98	137.40	+13 35.8	+12.0	3 1.4	+12 50	5.9
O	15 55.7	3 30 27	+68.11	137.81	+15 52.6	+10.8	3 6.3	+12 42	6.3
15 U	4 21.3	3 58 4	+68.27	138.33	+17 54.0	+ 9.4	3 55.5	+17 56	5.7
O	16 47.0	4 25 47	+68.42	138.85	+19 38.9	+ 8.0	4 2.7	+17 6	6.3
16 U	5 12.8	4 53 36	+68.53	139.23	+21 6.2	+ 6.5	4 46.0	+18 41	5.1
O	17 38.6	5 21 27	+68.58	139.36	+22 15.3	+ 5.0	4 57.6	+21 28	4.7
17 U	6 4.4	5 49 19	+68.54	139.17	+23 5.7	+ 3.4	5 51.3	+24 14	6.0
O	18 30.1	6 17 6	+68.38	138.58	+23 37.3	+ 1.8	5 58.5	+23 16	4.3
18 U	6 55.7	6 44 44	+68.10	137.55	+23 50.3	+ 0.3	6 38.3	+25 13	3.2
O	19 21.1	7 12 6	+67.71	136.10	+23 44.8	− 1.2	6 46.1	+21 52	5.2
19 U	7 46.1	7 39 9	+67.21	134.27	+23 21.6	− 2.6	7 35.5	+23 14	6.1
O	20 10.7	8 5 49	+66.62	132.13	+22 41.4	− 4.0	7 43.1	+23 22	6.5
20 U	8 34.9	8 32 1	+65.98	129.78	+21 45.2	− 5.3			
O	20 58.5	8 57 45	+65.29	127.32	+20 33.9	− 6.5			
21 U	9 21.7	9 22 59	+64.60	124.84	+19 8.9	− 7.6			
O	21 44.5	9 47 43	+63.93	122.45	+17 31.2	− 8.6			
22 U	10 6.7	10 11 59	+63.29	120.23	+15 42.2	− 9.5			
O	22 28.5	10 35 51	+62.73	118.27	+13 43.1	−10.3			
23 U	10 50.0	10 59 20	+62.25	116.62	+11 35.2	−11.0			
O	23 11.2	11 22 32	+61.88	115.34	+ 9 19.9	−11.5			

Sept. 9 9^h Perigäum. Sept. 22 1^h Apogäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Sept. 23.0	10 38 45.59	22 46.64	+13 27 45.6	−2 5 0.9	8.19649	+50	14 43.7
23.5	11 1 32.23	22 30.80	11 22 44.7	2 11 59.8	8.19699	69	14 44.7
24.0	11 24 3.03	22 19.14	9 10 44.9	2 17 46.7	8.19768	87	14 46.1
24.5	11 46 22.17	22 12.05	6 52 58.2	2 22 20.3	8.19855	102	14 47.9
25.0	12 8 34.22	22 9.94	4 30 37.9	2 25 39.3	8.19957	116	14 50.0
25.5	12 30 44.16	22 13.08	+2 4 58.6	2 27 41.4	8.20073	129	14 52.4
26.0	12 52 57.24	22 21.64	−0 22 42.8	2 28 24.4	8.20202	142	14 55.0
26.5	13 15 18.88	22 35.81	2 51 7.2	2 27 45.4	8.20344	154	14 58.0
27.0	13 37 54.69	22 55.66	5 18 52.6	2 25 39.6	8.20498	165	15 1.2
27.5	14 0 50.35		7 44 32.2		8.20663		15 4.6
		23 21.16		−2 22 3.2		+176	
28.0	14 24 11.51	23 52.15	−10 6 35.4	2 16 50.5	8.20839	188	15 8.3
28.5	14 48 3.66	24 28.24	12 23 25.9	2 9 56.3	8.21027	198	15 12.2
29.0	15 12 31.90	25 8.89	14 33 22.2	2 1 14.3	8.21225	209	15 16.4
29.5	15 37 40.79	25 53.19	16 34 36.5	1 50 40.0	8.21434	220	15 20.8
30.0	16 3 33.98	26 39.89	18 25 16.5	1 38 8.9	8.21654	230	15 25.5
30.5	16 30 13.87	27 27.39	20 3 25.4	1 23 39.1	8.21884	239	15 30.4
Okt. 1.0	16 57 41.26	28 13.70	21 27 4.5	1 7 12.1	8.22123	247	15 35.5
1.5	17 25 54.96	28 56.59	22 34 16.6	0 48 54.5	8.22370	252	15 40.9
2.0	17 54 51.55	29 33.77	23 23 11.1	0 28 57.6	8.22622	256	15 46.3
2.5	18 24 25.32		23 52 8.7		8.22878		15 51.9
		30 3.13		−0 7 39.7		+257	
3.0	18 54 28.45	30 22.98	−23 59 48.4	+0 14 35.1	8.23135	253	15 57.6
3.5	19 24 51.43	30 32.42	23 45 13.3	0 37 17.3	8.23388	245	16 3.2
4.0	19 55 23.85	30 31.42	23 7 56.0	0 59 54.0	8.23633	233	16 8.6
4.5	20 25 55.27	30 20.84	22 8 2.0	1 21 51.0	8.23866	215	16 13.8
5.0	20 56 16.11	30 2.34	20 46 11.0	1 42 34.8	8.24081	190	16 18.7
5.5	21 26 18.45	29 38.06	19 3 36.2	2 1 35.0	8.24271	161	16 23.0
6.0	21 55 56.51	29 10.41	17 2 1.2	2 18 25.8	8.24432	126	16 26.6
6.5	22 25 6.92	28 41.70	14 43 35.4	2 32 45.8	8.24558	85	16 29.5
7.0	22 53 48.62	28 14.02	12 10 49.6	2 44 19.3	8.24643	+40	16 31.4
7.5	23 22 2.64		9 26 30.3		8.24683		16 32.3
		27 49.05		+2 52 56.1		−6	
8.0	23 49 51.69	27 28.04	−6 33 34.2	2 58 30.4	8.24677	54	16 32.2
8.5	0 17 19.73	27 11.81	3 35 3.8	3 1 1.3	8.24623	104	16 31.0
9.0	0 44 31.54	27 0.71	−0 34 2.5	3 0 31.7	8.24519	152	16 28.6
9.5	1 11 32.25	26 54.75	+2 26 29.2	2 57 7.8	8.24367	196	16 25.1
10.0	1 38 27.00	26 53.60	5 23 37.0	2 50 59.7	8.24171	235	16 20.7
10.5	2 5 20.60	26 56.61	8 14 36.7	2 42 19.3	8.23936	270	16 15.4
11.0	2 32 17.21	27 2.86	10 56 56.0	2 31 21.1	8.23666	298	16 9.3
11.5	2 59 20.07	27 11.18	13 28 17.1	2 18 21.1	8.23368	318	16 2.7
12.0	3 26 31.25	27 20.27	15 46 38.2	2 3 36.9	8.23050	333	15 55.7
12.5	3 53 51.52		17 50 15.1		8.22717		15 48.4

Sept. 25 $3^h 53^m.0$ Neumond. Okt. 2 $19^h 7^m.3$ Erst. Viert. Okt. 9 $9^h 57^m.0$ Vollmond.

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
		h m	h m s	s	s	° ′	′	h m	° ′	
Sept. 23	U	10 50.0	10 59 20	+62.25	116.62	+11 35.2	−11.0			
	O	23 11.2	11 22 32	+61.88	115.34	+ 9 19.9	−11.5			
24	U	11 32.1	11 45 30	+61.62	114.46	+ 6 58.4	−12.0			
	O	23 52.9	12 8 20	+61.50	114.05	+ 4 32.0	−12.4			
25	U	12 13.7	12 31 9	−61.52	114.09	+ 2 2.2	−12.6			
—		—	—	—	—	—	—			
26	O	0 34.5	12 54 1	−61.68	114.62	− 0 29.8	−12.7			
	U	12 55.5	13 17 3	−61.99	115.67	− 3 2.6	−12.7			
27	O	1 16.8	13 40 20	−62.46	117.26	− 5 34.5	−12.6			
	U	13 38.4	14 4 0	−63.07	119.39	− 8 4.2	−12.3			
28	O	2 0.5	14 28 9	−63.83	122.04	−10 29.9	−11.9			
	U	14 23.2	14 52 53	−64.71	125.20	−12 49.9	−11.4			
29	O	2 46.6	15 18 17	−65.70	128.82	−15 2.3	−10.7			
	U	15 10.7	15 44 28	−66.79	132.83	−17 5.0	− 9.8			
30	O	3 35.7	16 11 28	−67.94	137.12	−18 56.1	− 8.7			
	U	16 1.6	16 39 21	−69.10	141.54	−20 33.2	− 7.4			
Okt. 1	O	4 28.3	17 8 7	−70.21	145.90	−21 54.1	− 6.0	16 36.5	−19 45	5.7
	U	16 55.9	17 37 44	−71.24	149.98	−22 56.7	− 4.4	16 50.1	−21 25	6.5
2	O	5 24.2	18 8 7	−72.12	153.53	−23 38.8	− 2.6	17 37.9	−21 38	5.0
	U	17 53.1	18 39 7	−72.80	156.34	−23 58.6	− 0.7	17 54.2	−23 48	4.6
3	O	6 22.5	19 10 35	−73.25	158.22	−23 54.9	+ 1.3	18 39.2	−25 6	5.7
	U	18 52.2	19 42 20	−73.44	159.07	−23 26.7	+ 3.4	18 45.3	−22 16	6.1
4	O	7 22.0	20 14 9	−73.37	158.90	−22 33.8	+ 5.4	19 34.6	−23 38	6.2
	U	19 51.6	20 45 50	−73.08	157.80	−21 16.8	+ 7.4	19 48.8	−24 10	6.4
5	O	8 20.9	21 17 12	−72.60	155.95	−19 36.9	+ 9.2	20 40.9	−21 51	5.8
	U	20 49.8	21 48 9	−72.00	153.58	−17 35.9	+10.9	20 48.3	−19 28	6.5
6	O	9 18.2	22 18 36	−71.32	150.93	−15 16.0	+12.4	21 42.0	−16 33	3.0
	U	21 46.1	22 48 31	−70.63	148.25	−12 40.2	+13.6	21 57.2	−18 21	6.4
7	O	10 13.4	23 17 54	−69.97	145.72	− 9 51.4	+14.5	22 48.7	−12 6	5.8
	U	22 40.3	23 46 48	−69.40	143.50	− 6 53.0	+15.1	22 54.8	−13 34	6.5
8	O	11 6.8	0 15 18	−68.94	141.71	− 3 48.4	+15.5	23 43.9	− 6 53	6.4
	U	23 33.0	0 43 30	−68.60	140.40	− 0 40.9	+15.6	23 57.3	− 6 32	4.7
9	O	11 58.9	1 11 30	+68.40	139.58	+ 2 26.2	+15.4	0 30.9	− 1 1	6.0
—		—	—	—	—	—	—	0 48.3	− 1 39	4.9
10	U	0 24.7	1 39 22	+68.33	139.26	+ 5 29.6	+15.0	1 36.7	+ 5 1	4.7
	O	12 50.5	2 7 14	+68.37	139.40	+ 8 26.3	+14.4	1 46.0	+10 35	5.8
11	U	1 16.4	2 35 9	+68.51	139.88	+11 13.6	+13.5	2 31.7	+12 3	5.6
	O	13 42.4	3 3 12	+68.72	140.60	+13 48.8	+12.4	2 37.6	+10 21	6.3
12	U	2 8.5	3 31 23	+68.96	141.44	+16 9.8	+11.1	3 25.8	+12 37	4.3
	O	14 34.8	3 59 45	+69.20	142.27	+18 14.8	+ 9.7	3 34.3	+16 14	6.4

Okt. 7 17^h Perigäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Okt. 12.0	3 26 31.25	27 20.27	+15 46 38.2	+2 3 36.9	8.23050	−333	15 55.7
12.5	3 53 51.52	27 28.72	17 50 15.1	1 47 26.8	8.22717	339	15 48.4
13.0	4 21 20.24	27 35.10	19 37 41.9	1 30 10.0	8.22378	338	15 41.0
13.5	4 48 55.34	27 38.12	21 7 51.9	1 12 6.5	8.22040	331	15 33.7
14.0	5 16 33.46	27 36.68	22 19 58.4	0 53 36.0	8.21709	317	15 26.6
14.5	5 44 10.14	27 30.09	23 13 34.4	0 34 57.4	8.21392	299	15 19.9
15.0	6 11 40.23	27 18.04	23 48 31.8	+0 16 28.4	8.21093	277	15 13.6
15.5	6 38 58.27	27 0.62	24 5 0.2	−0 1 35.3	8.20816	250	15 7.8
16.0	7 5 58.89	26 38.36	24 3 24.9	0 18 59.7	8.20566	221	15 2.6
16.5	7 32 37.25	26 12.18	23 44 25.2	−0 35 34.1	8.20345	−190	14 58.0
17.0	7 58 49.43	25 43.17	+23 8 51.1	0 51 10.6	8.20155	157	14 54.1
17.5	8 24 32.60	25 12.53	22 17 40.5	1 5 43.3	8.19998	123	14 50.8
18.0	8 49 45.13	24 41.54	21 11 57.2	1 19 9.1	8.19875	90	14 48.3
18.5	9 14 26.67	24 11.33	19 52 48.1	1 31 26.7	8.19785	56	14 46.5
19.0	9 38 38.00	23 42.98	18 21 21.4	1 42 35.4	8.19729	− 24	14 45.3
19.5	10 2 20.98	23 17.38	16 38 46.0	1 52 36.0	8.19705	+ 7	14 44.9
20.0	10 25 38.36	22 55.33	14 46 10.0	2 1 28.5	8.19712	37	14 45.0
20.5	10 48 33.69	22 37.36	12 44 41.5	2 9 14.2	8.19749	63	14 45.7
21.0	11 11 11.05	22 23.99	10 35 27.3	2 15 52.0	8.19812	88	14 47.0
21.5	11 33 35.04	22 15.64	8 19 35.3	−2 21 21.3	8.19900	+109	14 48.8
22.0	11 55 50.68	22 12.56	+ 5 58 14.0	2 25 40.2	8.20009	129	14 51.1
22.5	12 18 3.24	22 14.96	3 32 33.8	2 28 45.8	8.20138	145	14 53.7
23.0	12 40 18.20	22 23.05	+ 1 3 48.0	2 30 34.0	8.20283	158	14 56.7
23.5	13 2 41.25	22 36.90	− 1 26 46.0	2 31 0.0	8.20441	170	15 0.0
24.0	13 25 18.15	22 56.49	3 57 46.0	2 29 57.9	8.20611	178	15 3.5
24.5	13 48 14.64	23 21.77	6 27 43.9	2 27 21.2	8.20789	183	15 7.2
25.0	14 11 36.41	23 52.49	8 55 5.1	2 23 2.8	8.20972	188	15 11.0
25.5	14 35 28.90	24 28.19	11 18 7.9	2 16 55.5	8.21160	189	15 15.0
26.0	14 59 57.09	25 8.19	13 35 3.4	2 8 53.3	8.21349	190	15 19.0
26.5	15 25 5.28	25 51.53	15 43 56.7	−1 58 50.5	8.21539	+189	15 23.0
27.0	15 50 56.81	26 36.83	−17 42 47.2	1 46 43.6	8.21728	187	15 27.0
27.5	16 17 33.64	27 22.42	19 29 30.8	1 32 32.6	8.21915	185	15 31.0
28.0	16 44 56.06	28 6.29	21 2 3.4	1 16 21.3	8.22100	182	15 35.0
28.5	17 13 2.35	28 46.17	22 18 24.7	0 58 18.5	8.22282	179	15 39.0
29.0	17 41 48.52	29 19.83	23 16 43.2	0 38 38.5	8.22461	176	15 42.8
29.5	18 11 8.35	29 45.35	23 55 21.7	−0 17 41.8	8.22637	172	15 46.6
30.0	18 40 53.70	30 1.19	24 13 3.5	+0 4 5.9	8.22809	168	15 50.4
30.5	19 10 54.89	30 6.66	24 8 57.6	0 26 16.2	8.22977	163	15 54.1
31.0	19 41 1.55	30 1.98	23 42 41.4	0 48 18.2	8.23140	156	15 57.7
31.5	20 11 3.53		22 54 23.2		8.23296		16 1.1

Okt. 16 16h 29.0m Letztes Viertel. Okt. 24 19h 40.2m Neumond.

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
		h m	h m s	s	s	° ′	′	h m	° ′	
Okt. 12	U	2 8.5	3 31 23	+68.96	141.44	+16 9.8	+11.1	3 25.8	+12 37	4.3
	O	14 34.8	3 59 45	+69.20	142.27	+18 14.8	+ 9.7	3 34.3	+16 14	6.4
13	U	3 1.3	4 28 17	+69.41	142.93	+20 2.1	+ 8.2	4 32.9	+20 30	5.8
	O	15 27.9	4 56 54	+69.54	143.28	+21 30.6	+ 6.6	4 40.9	+18 34	6.5
14	U	3 54.5	5 25 33	+69.56	143.22	+22 39.5	+ 4.9	5 22.1	+21 52	4.8
	O	16 21.1	5 54 10	+69.45	142.68	+23 28.4	+ 3.2	5 28.2	+20 25	6.3
15	U	4 47.5	6 22 36	+69.20	141.60	+23 57.3	+ 1.6	6 19.1	+25 6	6.5
	O	17 13.6	6 50 47	+68.81	140.00	+24 6.5	0.0	6 38.3	+25 13	3.2
16	U	5 39.4	7 18 35	+68.30	137.94	+23 56.6	— 1.6	7 14.7	+22 9	3.6
	O	18 4.7	7 45 57	+67.68	135.51	+23 28.4	— 3.1	7 22.3	+21 38	5.3
17	U	6 29.5	8 12 48	+66.98	132.81	+22 43.0	— 4.5	8 15.0	+21 2	5.9
	O	18 53.8	8 39 6	+66.23	129.97	+21 41.6	— 5.7	8 27.4	+20 45	5.5
18	U	7 17.5	9 4 49	+65.45	127.11	+20 25.4	— 6.9	9 8.4	+21 40	6.5
	O	19 40.6	9 29 58	+64.68	124.35	+18 55.6	— 8.0	9 13.9	+18 6	6.6
19	U	8 3.2	9 54 36	+63.96	121.79	+17 13.6	— 9.0	10 2.3	+17 13	3.6
	O	20 25.3	10 18 44	+63.31	119.51	+15 20.7	— 9.8	10 11.8	+14 11	5.9
20	U	8 47.0	10 42 27	+62.75	117.58	+13 18.1	—10.5			
	O	21 8.3	11 5 49	+62.29	116.05	+11 6.9	—11.2			
21	U	9 29.4	11 28 55	+61.95	114.97	+ 8 48.5	—11.8			
	O	21 50.3	11 51 51	+61.75	114.36	+ 6 24.0	—12.3			
22	U	10 11.1	12 14 42	+61.69	114.26	+ 3 54.8	—12.6			
	O	22 32.0	12 37 35	+61.78	114.68	+ 1 22.1	—12.8			
23	U	10 53.0	13 0 36	+62.02	115.63	— 1 12.7	—12.9			
	O	23 14.2	13 23 51	+62.42	117.13	— 3 48.2	—12.9			
24	U	11 35.8	13 47 28	+62.96	119.18	— 6 22.7	—12.8			
	O	23 57.8	14 11 32	—63.66	121.62	— 8 54.6	—12.5			
25	U	12 20.4	14 36 10	—64.50	124.66	—11 22.1	—12.0			
—		—	—	—	—	—	—			
26	O	0 43.6	15 1 27	—65.44	128.16	—13 43.1	—11.4			
	U	13 7.6	15 27 29	—66.48	132.04	—15 55.6	—10.6			
27	O	1 32.4	15 54 19	—67.58	136.18	—17 57.2	— 9.6			
	U	13 58.1	16 22 0	—68.70	140.43	—19 45.7	— 8.4			
28	O	2 24.6	16 50 31	—69.78	144.60	—21 18.8	— 7.0			
	U	14 51.8	17 19 51	—70.77	148.47	—22 34.1	— 5.5			
29	O	3 19.8	17 49 54	—71.62	151.80	—23 29.5	— 3.8			
	U	15 48.4	18 20 32	—72.28	154.39	—24 3.3	— 1.9			
30	O	4 17.4	18 51 36	—72.72	156.05	—24 14.1	+ 0.1	18 22.3	—25 28	2.9
	U	16 46.7	19 22 54	—72.90	156.70	—24 1.2	+ 2.1	18 28.3	—24 6	5.9
31	O	5 16.0	19 54 14	—72.82	156.35	—23 24.2	+ 4.1	19 19.9	—24 9	5.9
	U	17 45.1	20 25 23	—72.52	155.09	—22 23.6	+ 6.0	19 25.5	—21 30	6.5

Okt. 19 15^h Apogäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Okt. 31.0	19 41 1.55	30 1.98	−23 42 41.4	+0 48 18.2	8.23140	+156	15 57.7
31.5	20 11 3.53	29 48.17	22 54 23.2	1 9 41.7	8.23296	148	16 1.1
Nov. 1.0	20 40 51.70	29 26.96	21 44 41.5	1 29 58.5	8.23444	138	16 4.4
1.5	21 10 18.66	29 0.63	20 14 43.0	1 48 44.6	8.23582	126	16 7.5
2.0	21 39 19.29	28 31.53	18 25 58.4	2 5 40.2	8.23708	111	16 10.3
2.5	22 7 50.82	28 1.97	16 20 18.2	2 20 29.7	8.23819	92	16 12.8
3.0	22 35 52.79	27 33.98	13 59 48.5	2 33 1.8	8.23911	71	16 14.8
3.5	23 3 26.77	27 9.18	11 26 46.7	2 43 7.4	8.23982	46	16 16.4
4.0	23 30 35.95	26 48.87	8 43 39.3	2 50 40.9	8.24028	+ 19	16 17.5
4.5	23 57 24.82	26 33.91	5 52 58.4	+2 55 38.8	8.24047	− 12	16 17.9
5.0	0 23 58.73	26 24.71	− 2 57 19.6	2 57 58.1	8.24035	45	16 17.6
5.5	0 50 23.44	26 21.44	+ 0 0 38.5	2 57 37.9	8.23990	79	16 16.6
6.0	1 16 44.88	26 23.85	2 58 16.4	2 54 39.6	8.23911	113	16 14.8
6.5	1 43 8.73	26 31.41	5 52 56.0	2 49 5.8	8.23798	147	16 12.3
7.0	2 9 40.14	26 43.29	8 42 1.8	2 41 1.9	8.23651	180	16 9.0
7.5	2 36 23.43	26 58.36	11 23 3.7	2 30 35.1	8.23471	210	16 5.0
8.0	3 3 21.79	27 15.23	13 53 38.8	2 17 56.4	8.23261	236	16 0.3
8.5	3 30 37.02	27 32.27	16 11 35.2	2 3 19.5	8.23025	257	15 55.1
9.0	3 58 9.29	27 47.73	18 14 54.7	1 47 1.4	8.22768	273	15 49.5
9.5	4 25 57.02	27 59.82	20 1 56.1	+1 29 21.4	8.22495	−284	15 43.6
10.0	4 53 56.84	28 6.96	+21 31 17.5	1 10 41.9	8.22211	290	15 37.4
10.5	5 22 3.80	28 7.83	22 41 59.4	0 51 26.4	8.21921	290	15 31.2
11.0	5 50 11.63	28 1.63	23 33 25.8	0 31 58.7	8.21631	284	15 25.0
11.5	6 18 13.26	27 48.14	24 5 24.5	+0 12 41.8	8.21347	273	15 19.0
12.0	6 46 1.40	27 27.68	24 18 6.3	−0 6 3.7	8.21074	256	15 13.2
12.5	7 13 29.08	27 1.18	24 12 2.6	0 24 0.8	8.20818	234	15 7.8
13.0	7 40 30.26	26 29.93	23 48 1.8	0 40 56.2	8.20584	210	15 2.9
13.5	8 7 0.19	25 55.51	23 7 5.6	0 56 40.7	8.20374	183	14 58.6
14.0	8 32 55.70	25 19.54	22 10 24.9	1 11 9.4	8.20191	151	14 54.8
14.5	8 58 15.24	24 43.58	20 59 15.5	−1 24 20.4	8.20040	−118	14 51.7
15.0	9 22 58.82	24 9.08	+19 34 55.1	1 36 14.2	8.19922	83	14 49.3
15.5	9 47 7.90	23 37.27	17 58 40.9	1 46 53.2	8.19839	48	14 47.6
16.0	10 10 45.17	23 9.14	16 11 47.7	1 56 20.2	8.19791	− 13	14 46.6
16.5	10 33 54.31	22 45.45	14 15 27.5	2 4 38.5	8.19778	+ 21	14 46.3
17.0	10 56 39.76	22 26.85	12 10 49.0	2 11 50.8	8.19799	56	14 46.8
17.5	11 19 6.61	22 13.81	9 58 58.2	2 17 58.9	8.19855	89	14 47.9
18.0	11 41 20.42	22 6.64	7 40 59.3	2 23 3.0	8.19944	118	14 49.7
18.5	12 3 27.06	22 5.67	5 17 56.3	2 27 2.0	8.20062	146	14 52.2
19.0	12 25 32.73	22 11.06	2 50 54.3	2 29 52.7	8.20208	171	14 55.2
19.5	12 47 43.79		0 21 1.6		8.20379		14 58.7

Nov. 1 3h 9.9m Erst. Viert. Nov. 7 20h 51.6m Vollmond. Nov. 15 12h 34.7m Letzt. Viert.

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
	h m	h m s	s	s	° ′	′	h m	° ′	
Okt. 31 *O*	5 16.0	19 54 14	−72.82	156.35	−23 24.2	+ 4.1	19 19.9	−24 9	5.9
U	17 45.1	20 25 23	−72.52	155.09	−22 23.6	+ 6.0	19 25.5	−21 30	6.5
Nov. 1 *O*	6 13.9	20 56 12	−72.04	153.10	−21 0.4	+ 7.8	20 24.2	−22 42	6.5
U	18 42.2	21 26 34	−71.42	150.62	−19 16.2	+ 9.5	20 40.9	−21 51	5.8
2 *O*	7 10.0	21 56 25	−70.72	147.88	−17 12.9	+11.0	21 24.9	−19 33	6.5
U	19 37.2	22 25 42	−70.02	145.12	−14 52.7	+12.3	21 29.7	−20 30	5.9
3 *O*	8 3.9	22 54 27	−69.35	142.54	−12 18.2	+13.4	22 19.6	−14 0	6.0
U	20 30.1	23 22 43	−68.75	140.29	− 9 32.1	+14.2	22 42.9	−14 32	5.6
4 *O*	8 55.9	23 50 35	−68.26	138.50	− 6 37.2	+14.8	23 14.2	−10 7	5.2
U	21 21.4	0 18 9	−67.91	137.24	− 3 36.3	+15.2	23 30.8	− 7 58	6.5
5 *O*	9 46.7	0 45 31	−67.71	136.54	− 0 32.3	+15.4	0 19.8	− 2 44	6.0
U	22 12.0	1 12 48	−67.65	136.40	+ 2 31.8	+15.3	0 30.9	− 1 1	6.0
6 *O*	10 37.3	1 40 7	−67.74	136.80	+ 5 33.1	+14.9	1 5.9	+ 1 57	6.3
U	23 2.7	2 7 33	−67.95	137.67	+ 8 28.8	+14.3	1 13.1	+ 3 8	5.3
7 *O*	11 28.3	2 35 13	−68.26	138.92	+11 16.2	+13.5	2 8.2	+ 8 25	4.5
U	23 54.2	3 3 9	+68.64	140.49	+13 52.5	+12.5	2 19.9	+10 12	5.5
8 *O*	12 20.4	3 31 24	+69.05	142.09	+16 15.3	+11.3	3 1.4	+12 50	5.9
—	—	—	—	—	—	—	3 6.4	+12 42	6.3
9 *U*	0 47.0	3 59 58	+69.45	143.62	+18 22.4	+ 9.9	3 59.4	+17 16	6.5
O	13 13.8	4 28 49	+69.80	144.89	+20 11.9	+ 8.3	4 17.3	+17 2	6.4
10 *U*	1 40.8	4 57 53	+70.04	145.74	+21 42.3	+ 6.7	4 57.6	+21 28	4.7
O	14 7.9	5 27 4	+70.14	146.03	+22 52.5	+ 5.0	5 3.5	+19 44	6.5
11 *U*	2 35.0	5 56 15	+70.08	145.64	+23 41.9	+ 3.2	5 58.6	+23 16	4.3
O	15 2.0	6 25 17	+69.85	144.54	+24 10.4	+ 1.5	6 4.0	+22 12	6.5
12 *U*	3 28.7	6 54 2	+69.45	142.75	+24 18.2	− 0.2	6 49.7	+25 29	6.2
O	15 55.0	7 22 21	+68.88	140.37	+24 6.1	− 1.8	6 56.9	+24 21	5.3
13 *U*	4 20.8	7 50 10	+68.18	137.52	+23 35.1	− 3.3	7 43.1	+23 22	6.5
O	16 46.0	8 17 22	+67.39	134.35	+22 46.4	− 4.7	7 55.6	+23 50	6.5
14 *U*	5 10.5	8 43 55	+66.54	131.02	+21 41.4	− 6.0	8 38.0	+21 48	4.8
O	17 34.3	9 9 49	+65.68	127.69	+20 21.6	− 7.2	8 45.6	+19 11	6.5
15 *U*	5 57.5	9 35 3	+64.84	124.51	+18 48.5	− 8.3	9 32.0	+16 51	5.9
O	18 20.1	9 59 40	+64.05	121.60	+17 3.5	− 9.2	9 39.4	+19 17	6.5
16 *U*	6 42.1	10 23 44	+63.35	119.05	+15 7.9	−10.0	10 16.9	+15 26	6.2
O	19 3.7	10 47 20	+62.75	116.94	+13 3.0	−10.8	10 27.3	+14 37	5.7
17 *U*	7 24.9	11 10 34	+62.27	115.31	+10 50.1	−11.4	11 9.3	+ 8 34	5.9
O	19 45.8	11 33 31	+61.93	114.20	+ 8 30.3	−11.9	11 19.1	+11 2	4.0
18 *U*	8 6.6	11 56 18	+61.74	113.65	+ 6 4.8	−12.3	11 56.2	+ 7 8	4.6
O	20 27.3	12 19 1	+61.71	113.69	+ 3 34.7	−12.7	12 5.4	+ 6 19	5.7
19 *U*	8 48.1	12 41 48	+61.86	114.32	+ 1 1.2	−12.9			
O	21 9.0	13 4 46	+62.17	115.56	− 1 34.4	−13.0			

Nov. 4 14^h Perigäum. Nov. 16 10^h Apogäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR. (h m s)	Diff. (m s)	Wahre Dekl. (° ′ ″)	Diff. (° ′ ″)	Log. sin. A. H. Par.	Diff.	Halbm. (′ ″)
Nov. 19.0	12 25 32.73	22 11.06	+ 2 50 54.3	−2 29 52.7	8.20208	+171	14 55.2
19.5	12 47 43.79	22 22.93	+ 0 21 1.6	2 31 30.9	8.20379	192	14 58.7
20.0	13 10 6.72	22 41.34	− 2 10 29.3	2 31 50.4	8.20571	209	15 2.7
20.5	13 32 48.06	23 6.29	4 42 19.7	2 30 42.5	8.20780	221	15 7.0
21.0	13 55 54.35	23 37.57	7 13 2.2	2 27 58.6	8.21001	231	15 11.6
21.5	14 19 31.92	24 14.85	9 41 0.8	2 23 27.8	8.21232	236	15 16.5
22.0	14 43 46.77	24 57.51	12 4 28.6	2 16 59.9	8.21468	236	15 21.5
22.5	15 8 44.28	25 44.55	14 21 28.5	2 8 25.0	8.21704	233	15 26.5
23.0	15 34 28.83	26 34.58	16 29 53.5	1 57 34.5	8.21937	225	15 31.5
23.5	16 1 3.41		18 27 28.0		8.22162		15 36.4
		27 25.82		−1 44 24.0		+214	
24.0	16 28 29.23	28 15.89	−20 11 52.0	1 28 53.5	8.22376	201	15 41.0
24.5	16 56 45.12	29 2.16	21 40 45.5	1 11 9.5	8.22577	185	15 45.4
25.0	17 25 47.28	29 41.80	22 51 55.0	0 51 26.4	8.22762	167	15 49.4
25.5	17 55 29.08	30 12.20	23 43 21.4	0 30 6.5	8.22929	149	15 53.0
26.0	18 25 41.28	30 31.27	24 13 27.9	−0 7 39.6	8.23078	129	15 56.3
26.5	18 56 12.55	30 37.86	24 21 7.5	+0 15 19.3	8.23207	110	15 59.2
27.0	19 26 50.41	30 31.89	24 5 48.2	0 38 12.9	8.23317	91	16 1.6
27.5	19 57 22.30	30 14.51	23 27 35.3	1 0 24.5	8.23408	73	16 3.6
28.0	20 27 36.81	29 47.79	22 27 10.8	1 21 21.6	8.23481	57	16 5.2
28.5	20 57 24.60		21 5 49.2		8.23538		16 6.5
		29 14.40		+1 40 37.8		+ 41	
29.0	21 26 39.00	28 37.25	−19 25 11.4	1 57 53.7	8.23579	26	16 7.4
29.5	21 55 16.25	27 59.19	17 27 17.7	2 12 56.2	8.23605	+ 11	16 8.0
30.0	22 23 15.44	27 22.65	15 14 21.5	2 25 39.0	8.23616	− 2	16 8.2
30.5	22 50 38.09	26 49.65	12 48 42.5	2 35 58.9	8.23614	15	16 8.2
Dez. 1.0	23 17 27.74	26 21.70	10 12 43.6	2 43 55.6	8.23599	29	16 7.9
1.5	23 43 49.44	25 59.83	7 28 48.0	2 49 31.0	8.23570	42	16 7.2
2.0	0 9 49.27	25 44.64	4 39 17.0	2 52 46.6	8.23528	57	16 6.3
2.5	0 35 33.91	25 36.41	− 1 46 30.4	2 53 44.3	8.23471	73	16 5.0
3.0	1 1 10.32	25 35.08	+ 1 7 13.9	2 52 25.2	8.23398	88	16 3.4
3.5	1 26 45.40		3 59 39.1		8.23310		16 1.4
		25 40.29		+2 48 51.1		−105	
4.0	1 52 25.69	25 51.41	+ 6 48 30.2	2 43 2.8	8.23205	122	15 59.1
4.5	2 18 17.10	26 7.57	9 31 33.0	2 35 2.1	8.23083	140	15 56.4
5.0	2 44 24.67	26 27.53	12 6 35.1	2 24 52.7	8.22943	158	15 53.4
5.5	3 10 52.20	26 49.80	14 31 27.8	2 12 39.7	8.22785	175	15 49.9
6.0	3 37 42.00	27 12.62	16 44 7.5	1 58 31.5	8.22610	190	15 46.1
6.5	4 4 54.62	27 34.05	18 42 39.0	1 42 40.3	8.22420	204	15 41.9
7.0	4 32 28.67	27 52.04	20 25 19.3	1 25 21.8	8.22216	215	15 37.5
7.5	5 0 20.71	28 4.69	21 50 41.1	1 6 55.3	8.22001	224	15 32.9
8.0	5 28 25.40	28 10.41	22 57 36.4	0 47 43.5	8.21777	229	15 28.1
8.5	5 56 35.81		23 45 19.9		8.21548		15 23.2

Nov. 23 10h 46.7m Neumond. Nov. 30 10h 38.0m Erst. Viert. Dez. 7 10h 37.7m Vollmond.

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
	h m	h m s	s	s	° ′	′			
Nov. 19 U	8 48.1	12 41 48	+61.86	114.32	+ 1 1.2	—12.9			
O	21 9.0	13 4 46	+62.17	115.56	— 1 34.4	—13.0			
20 U	9 30.2	13 28 3	+62.64	117.42	— 4 10.8	—13.0			
O	21 51.9	13 51 45	+63.29	119.90	— 6 46.4	—12.9			
21 U	10 14.1	14 16 1	+64.10	122.97	— 9 19.5	—12.6			
O	22 37.0	14 40 57	+65.04	126.59	—11 48.2	—12.1			
22 U	11 0.7	15 6 39	+66.11	130.71	—14 10.5	—11.5			
O	23 25.2	15 33 13	+67.27	135.21	—16 23.9	—10.7			
23 U	11 50.7	16 0 43	—68.47	139.74	—18 26.0	— 9.6			
—	—	—	—	—	—	—			
24 O	0 17.1	16 29 9	—69.68	144.49	—20 14.2	— 8.3			
U	12 44.4	16 58 31	—70.82	149.02	—21 45.7	— 6.9			
25 O	1 12.6	17 28 45	—71.82	153.05	—22 58.0	— 5.2			
U	13 41.5	17 59 43	—72.62	156.29	—23 48.9	— 3.3			
26 O	2 10.9	18 31 13	—73.18	158.49	—24 16.6	— 1.3			
U	14 40.7	19 3 3	—73.45	159.49	—24 19.7	+ 0.8			
27 O	3 10.6	19 34 57	—73.42	159.25	—23 57.9	+ 2.9			
U	15 40.3	20 6 40	—73.11	157.84	—23 11.4	+ 4.9	h m	° ′	
28 O	4 9.6	20 38 0	—72.57	155.46	—22 1.3	+ 6.8	19 58.3	—22 51	6.4
U	16 38.3	21 8 47	—71.84	152.39	—20 29.1	+ 8.5	20 12.6	—22 6	6.0
29 O	5 6.3	21 38 54	—71.00	148.93	—18 37.0	+10.1	21 4.3	—20 56	6.2
U	17 33.7	22 8 19	—70.13	145.36	—16 27.4	+11.5	21 10.4	—21 2	5.5
30 O	6 0.4	22 37 2	—69.28	141.94	—14 2.9	+12.6	22 7.5	—14 39	6.5
U	18 26.4	23 5 6	—68.49	138.87	—11 26.1	+13.5	22 14.1	—13 46	6.3
Dez. 1 O	6 51.9	23 32 36	—67.82	136.29	— 8 39.8	+14.2	23 9.9	—11 11	6.3
U	19 16.9	23 59 38	—67.30	134.31	— 5 46.5	+14.7	23 14.2	—10 7	5.2
2 O	7 41.5	0 26 21	—66.93	132.97	— 2 48.8	+15.0	0 0.7	— 6 13	4.6
U	20 6.0	0 52 51	—66.74	132.30	+ 0 10.8	+15.0	0 5.6	— 5 46	5.9
3 O	8 30.4	1 19 18	—66.71	132.28	+ 3 9.7	+14.8	0 48.3	— 1 39	4.9
U	20 54.9	1 45 49	—66.84	132.88	+ 6 5.5	+14.4	0 59.1	+ 0 52	6.0
4 O	9 19.6	2 12 30	—67.11	134.04	+ 8 55.8	+13.9	1 36.7	+ 5 1	4.7
U	21 44.5	2 39 28	—67.49	135.65	+11 38.1	+13.2	1 46.0	+10 35	5.8
5 O	10 9.7	3 6 48	—67.96	137.59	+14 10.0	+12.2	2 31.7	+12 3	5.6
U	22 35.4	3 34 32	—68.47	139.70	+16 29.2	+11.0	2 40.0	+12 4	5.2
6 O	11 1.5	4 2 41	—68.99	141.80	+18 33.6	+ 9.7	3 25.8	+12 37	4.3
U	23 28.0	4 31 15	—69.46	143.69	+20 21.1	+ 8.2	3 34.3	+16 14	6.4
7 O	11 54.9	5 0 9	+69.82	145.22	+21 50.1	+ 6.6	4 23.3	+18 59	3.7
—	—	—	—	—	—	—	4 32.9	+20 30	5.8
8 U	0 22.0	5 29 17	+70.04	146.08	+22 59.4	+ 4.9	5 32.2	+21 5	3.0
O	12 49.2	5 58 31	+70.09	146.19	+23 47.9	+ 3.2	5 37.8	+23 10	6.0

Nov. 30 4h Perigäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Dez. 8.0	5 28 25.40	28 10.41	+22 57 36.4	+0 47 43.5	8.21777	−229	15 28.1
8.5	5 56 35.81	28 8.08	23 45 19.9	0 28 11.6	8.21548	231	15 23.2
9.0	6 24 43.89	27 57.28	24 13 31.5	+0 8 44.2	8.21317	229	15 18.3
9.5	6 52 41.17	27 38.27	24 22 15.7	−0 10 15.3	8.21088	223	15 13.5
10.0	7 20 19.44	27 11.96	24 12 0.4	0 28 26.0	8.20865	212	15 8.8
10.5	7 47 31.40	26 39.82	23 43 34.4	0 45 31.4	8.20653	197	15 4.4
11.0	8 14 11.22	26 3.60	22 58 3.0	1 1 20.0	8.20456	179	15 0.3
11.5	8 40 14.82	25 25.20	21 56 43.0	1 15 45.1	8.20277	156	14 56.6
12.0	9 5 40.02	24 46.47	20 40 57.9	1 28 44.1	8.20121	131	14 53.4
12.5	9 30 26.49	24 9.03	19 12 13.8	−1 40 17.4	8.19990	−103	14 50.7
13.0	9 54 35.52	23 34.29	+17 31 56.4	1 50 28.1	8.19887	72	14 48.6
13.5	10 18 9.81	23 3.42	15 41 28.3	1 59 20.9	8.19815	39	14 47.1
14.0	10 41 13.23	22 37.35	13 42 7.4	2 7 0.4	8.19776	− 4	14 46.3
14.5	11 3 50.58	22 16.75	11 35 7.0	2 13 31.0	8.19772	+ 30	14 46.2
15.0	11 26 7.33	22 2.11	9 21 36.0	2 18 56.7	8.19802	66	14 46.8
15.5	11 48 9.44	21 53.86	7 2 39.3	2 23 20.1	8.19868	101	14 48.2
16.0	12 10 3.30	21 52.34	4 39 19.2	2 26 41.6	8.19969	135	14 50.2
16.5	12 31 55.64	21 57.78	+ 2 12 37.6	2 29 0.1	8.20104	168	14 53.0
17.0	12 53 53.42	22 10.35	− 0 16 22.5	2 30 12.2	8.20272	199	14 56.5
17.5	13 16 3.77	22 30.19	2 46 34.7	−2 30 12.3	8.20471	+227	15 0.6
18.0	13 38 33.96	22 57.36	− 5 16 47.0	2 28 52.6	8.20698	249	15 5.3
18.5	14 1 31.32	23 31.74	7 45 39.6	2 26 3.4	8.20947	269	15 10.5
19.0	14 25 3.06	24 13.05	10 11 43.0	2 21 32.6	8.21216	284	15 16.2
19.5	14 49 16.11	25 0.72	12 33 15.6	2 15 6.7	8.21500	293	15 22.2
20.0	15 14 16.83	25 53.76	14 48 22.3	2 6 32.9	8.21793	298	15 28.4
20.5	15 40 10.59	26 50.70	16 54 55.2	1 55 38.7	8.22091	295	15 34.8
21.0	16 7 1.29	27 49.41	18 50 33.9	1 42 15.1	8.22386	287	15 41.2
21.5	16 34 50.70	28 47.26	20 32 49.0	1 26 17.3	8.22673	273	15 47.4
22.0	17 3 37.96	29 41.02	21 59 6.3	1 7 50.3	8.22946	253	15 53.4
22.5	17 33 18.98	30 27.16	23 6 56.6	−0 47 7.2	8.23199	+228	15 59.0
23.0	18 3 46.14	31 2.37	−23 54 3.8	0 24 33.0	8.23427	200	16 4.0
23.5	18 34 48.51	31 24.01	24 18 36.8	−0 0 42.9	8.23627	167	16 8.5
24.0	19 6 12.52	31 30.54	24 19 19.7	+0 23 40.2	8.23794	131	16 12.2
24.5	19 37 43.06	31 21.95	23 55 39.5	0 47 49.5	8.23925	95	16 15.2
25.0	20 9 5.01	30 59.71	23 7 50.0	1 10 59.0	8.24020	59	16 17.3
25.5	20 40 4.72	30 26.43	21 56 51.0	1 32 28.7	8.24079	+ 24	16 18.6
26.0	21 10 31.15	29 45.54	20 24 22.3	1 51 47.5	8.24103	− 10	16 19.2
26.5	21 40 16.69	29 0.57	18 32 34.8	2 8 34.6	8.24093	41	16 18.9
27.0	22 9 17.26	28 14.91	16 24 0.2	2 22 38.6	8.24052	68	16 18.0
27.5	22 37 32.17		14 1 21.6		8.23984		16 16.5

Dez. 15 10ʰ 6ᵐ.1 Letztes Viertel. Dez. 23 0ʰ 43ᵐ.3 Neumond.

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge	Vergl.-Sterne AR.	Vergl.-Sterne Dekl.	Vergl.-Sterne Gr.
		h m	h m s	s	s	° ′	′	h m	° ′	
Dez. 8	U	0 22.0	5 29 17	+70.04	146.08	+22 59.4	+ 4.9	5 32.2	+21 5	3.0
	O	12 49.2	5 58 31	+70.09	146.19	+23 47.9	+ 3.2	5 37.8	+23 10	6.0
9	U	1 16.3	6 27 42	+69.94	145.48	+24 15.4	+ 1.4	6 19.1	+25 6	6.5
	O	13 43.2	6 56 40	+69.59	143.97	+24 21.9	— 0.3	6 38.3	+25 13	3.2
10	U	2 9.8	7 25 16	+69.05	141.72	+24 8.2	— 1.9	7 27.4	+23 5	6.0
	O	14 35.9	7 53 21	+68.36	138.86	+23 35.1	— 3.5	7 35.5	+23 14	6.1
11	U	3 1.3	8 20 48	+67.56	135.57	+22 44.0	— 5.0	8 15.0	+21 2	5.9
	O	15 26.0	8 47 35	+66.68	132.04	+21 36.5	— 6.3	8 27.4	+20 45	5.5
12	U	3 50.0	9 13 39	+65.78	128.45	+20 14.0	— 7.5	9 13.9	+18 6	6.6
	O	16 13.3	9 39 1	+64.89	124.98	+18 38.2	— 8.5	9 32.0	+16 51	5.9
13	U	4 36.0	10 3 42	+64.05	121.76	+16 50.7	— 9.4	10 2.4	+17 13	3.6
	O	16 58.1	10 27 46	+63.29	118.90	+14 53.1	—10.2	10 11.8	+14 11	5.9
14	U	5 19.6	10 51 19	+62.64	116.49	+12 46.6	—10.9	10 41.6	+14 41	5.7
	O	17 40.6	11 14 25	+62.12	114.60	+10 32.7	—11.4	10 59.8	+13 10	6.5
15	U	6 1.3	11 37 12	+61.75	113.28	+ 8 12.5	—11.9	11 33.7	+ 8 39	5.5
	O	18 21.9	11 59 47	+61.55	112.56	+ 5 47.1	—12.3	11 40.6	+ 8 46	4.9
16	U	6 42.4	12 22 16	+61.51	112.46	+ 3 17.7	—12.6	12 15.7	+ 3 49	5.2
	O	19 2.9	12 44 49	+61.65	113.01	+ 0 45.3	—12.8	12 33.7	+ 2 22	6.1
17	U	7 23.6	13 7 31	+61.97	114.24	— 1 48.8	—12.9	13 5.2	— 5 3	4.4
	O	19 44.6	13 30 32	+62.47	116.15	— 4 23.6	—12.9	13 18.6	— 4 27	6.1
18	U	8 6.0	13 54 0	+63.15	118.75	— 6 57.5	—12.8	13 55.2	— 7 43	6.5
	O	20 28.0	14 18 4	+64.01	122.04	— 9 29.1	—12.5	14 1.9	— 8 52	5.7
19	U	8 50.8	14 42 50	+65.03	125.98	—11 56.6	—12.1			
	O	21 14.4	15 8 27	+66.20	130.52	—14 18.0	—11.5			
20	U	9 38.9	15 35 2	+67.48	135.56	—16 30.9	—10.7			
	O	22 4.5	16 2 39	+68.82	140.94	—18 32.9	— 9.6			
21	U	10 31.2	16 31 22	+70.17	146.42	—20 21.1	— 8.3			
	O	22 59.0	17 1 10	+71.46	151.73	—21 52.5	— 6.8			
22	U	11 27.7	17 31 58	+72.61	156.51	—23 4.3	— 5.1			
	O	23 57.3	18 3 39	+73.54	160.30	—23 53.9	— 3.1			
23	U	12 27.6	18 36 0	—74.19	162.97	—24 19.1	— 1.0			
—		—	—	—	—	—	—			
24	O	0 58.3	19 8 46	—74.51	164.25	—24 18.3	+ 1.2			
	U	13 29.1	19 41 37	—74.47	164.02	—23 51.0	+ 3.4			
25	O	1 59.7	20 14 16	—74.09	162.37	—22 57.6	+ 5.5			
	U	14 29.8	20 46 28	—73.44	159.52	—21 39.3	+ 7.5			
26	O	2 59.3	21 18 0	—72.58	155.82	—19 58.2	+ 9.3			
	U	15 28.0	21 48 44	—71.59	151.65	—17 57.0	+10.9			
27	O	3 55.9	22 18 37	—70.56	147.36	—15 38.7	+12.2	21 42.0	—16 33	3.0
	U	16 22.9	22 47 40	—69.56	143.24	—13 6.3	+13.2	21 57.2	—18 21	6.4

Dez. 14 8^h Apogäum. Dez. 26 2^h Perigäum.

Mittlerer Mittag und Mitternacht.

Datum	Wahre AR.	Diff.	Wahre Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
Dez. 27.0	22h 9m 17s.26	28m 14s.91	−16° 24′ 0″.2	+2° 22′ 38″.6	8.24052	−68	16′ 18″.0
27.5	22 37 32.17	27 31.34	14 1 21.6	2 33 56.0	8.23984	92	16 16.5
28.0	23 5 3.51	26 52.09	11 27 25.6	2 42 29.9	8.23892	113	16 14.4
28.5	23 31 55.60	26 18.73	8 44 55.7	2 48 26.5	8.23779	129	16 11.9
29.0	23 58 14.33	25 52.24	5 56 29.2	2 51 54.5	8.23650	144	16 9.0
29.5	0 24 6.57	25 33.14	3 4 34.7	2 53 1.6	8.23506	154	16 5.8
30.0	0 49 39.71	25 21.64	− 0 11 33.1	2 51 55.9	8.23352	162	16 2.4
30.5	1 15 1.35	25 17.57	+ 2 40 22.8	2 48 44.3	8.23190	168	15 58.8
31.0	1 40 18.92	25 20.47	5 29 7.1	2 43 32.0	8.23022	173	15 55.1
31.5	2 5 39.39	25 29.71	8 12 39.1	+2 36 22.9	8.22849	−176	15 51.3
32.0	2 31 9.10		+10 49 2.0		8.22673		15 47.4

Dez. 29 18h 33m.5 Erstes Viertel.

Phasen des Mondes.

Jan. 3	10h 37m.0	Neumond	
10	2 46.5	Erstes Viertel	
18	2 30.5	Vollmond	
26	3 54.9	Letztes Viertel	
Febr. 1	21 30.1	Neumond	
8	17 21.1	Erstes Viertel	
16	21 59.0	Vollmond	
24	16 17.9	Letztes Viertel	
März 2	7 50.5	Neumond	
9	10 35.7	Erstes Viertel	
17	15 22.1	Vollmond	
25	1 25.2	Letztes Viertel	
31	17 55.8	Neumond	
April 8	5 25.1	Erstes Viertel	
16	5 48.9	Vollmond	
23	8 0.3	Letztes Viertel	
30	4 26.7	Neumond	
Mai 8	0 16.9	Erstes Viertel	
15	17 26.0	Vollmond	
22	13 10.8	Letztes Viertel	
29	16 8.1	Neumond	
Juni 6	17 49.7	Erstes Viertel	
14	2 48.8	Vollmond	
20	18 19.7	Letztes Viertel	
28	5 25.1	Neumond	
Juli 6	9h 18m.6	Erstes Viertel	
13	10 41.5	Vollmond	
20	0 55.3	Letztes Viertel	
27	20 10.4	Neumond	
Aug. 4	22 34.0	Erstes Viertel	
11	17 52.4	Vollmond	
18	10 19.1	Letztes Viertel	
26	11 52.5	Neumond	
Sept. 3	9 44.4	Erstes Viertel	
10	1 16.9	Vollmond	
16	23 27.0	Letztes Viertel	
25	3 53.0	Neumond	
Okt. 2	19 7.3	Erstes Viertel	
9	9 57.0	Vollmond	
16	16 29.0	Letztes Viertel	
24	19 40.2	Neumond	
Nov. 1	3 9.9	Erstes Viertel	
7	20 51.6	Vollmond	
15	12 34.7	Letztes Viertel	
23	10 46.7	Neumond	
30	10 38.0	Erstes Viertel	
Dez. 7	10 37.7	Vollmond	
15	10 6.1	Letztes Viertel	
23	0 43.3	Neumond	
29	18 33.5	Erstes Viertel	

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1^h Länge	Dekl.	Bew. in 1^h Länge	Vergl.-Sterne AR.	Dekl.	Gr.
		h m	h m s	s	s	° ′	′	h m	° ′	
Dez. 27	O	3 55.9	22 18 37	—70.56	147.36	—15 38.7	+12.2	21 42.0	—16 33	3.0
	U	16 22.9	22 47 40	—69.56	143.24	—13 6.3	+13.2	21 57.2	—18 21	6.4
28	O	4 49.1	23 15 55	—68.65	139.51	—10 23.1	+14.0	22 48.7	—12 6	5.8
	U	17 14.6	23 43 29	—67.86	136.35	— 7 31.9	+14.5	22 54.8	—13 34	6.5
29	O	5 39.5	0 10 29	—67.23	133.86	— 4 35.7	+14.8	23 43.8	— 6 53	6.4
	U	18 4.0	0 37 4	—66.77	132.08	— 1 37.1	+14.9	23 57.3	— 6 32	4.7
30	O	6 28.3	1 3 21	—66.49	131.02	+ 1 21.4	+14.8	0 30.9	— 1 1	6.0
	U	18 52.5	1 29 31	—66.39	130.67	+ 4 17.6	+14.5	0 48.3	— 1 39	4.9
31	O	7 16.6	1 55 40	—66.46	130.98	+ 7 9.0	+14.0	1 25.4	+ 5 40	5.2
	U	19 40.8	2 21 57	—66.67	131.90	+ 9 53.7	+13.4	1 36.7	+ 5 1	4.7

Mond

im Perigäum

		h
Jan.	4	1
Febr.	1	15
März	1	2
März	29	4
April	25	1
Mai	20	2
Juni	16	11
Juli	14	14
Aug.	11	22
Sept.	9	9
Okt.	7	17
Nov.	4	14
Nov.	30	4
Dez.	26	2

Mond

im Apogäum

		h
Jan.	18	15
Febr.	14	16
März	13	5
April	9	23
Mai	7	19
Juni	4	13
Juli	2	6
Juli	29	16
Aug.	25	19
Sept.	22	1
Okt.	19	15
Nov.	16	10
Dez.	14	8

Mittlere Mitternacht Berlin.

Datum	$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
Jan. 10	−16.64	+0.65		+74.2	+ 6.0		8.22183	−582	
11	−15.99	+1.05	+0.40	+80.2	+ 5.3	−0.7	8.21601	−506	+ 76
12	−14.94	+1.41	+0.36	+85.5	+ 2.9	−2.4	8.21095	−420	+ 86
13	−13.53	+1.68	+0.27	+88.4	− 1.0	−3.9	8.20675	−334	+ 86
14	−11.85	+1.84	+0.16	+87.4	− 5.9	−4.9	8.20341	−254	+ 80
15	−10.01	+1.85	+0.01	+81.5	−11.0	−5.1	8.20087	−178	+ 76
16	− 8.16	+1.73	−0.12	+70.5	−15.7	−4.7	8.19909	−108	+ 70
17	− 6.43	+1.50	−0.23	+54.8	−19.3	−3.6	8.19801	− 41	+ 67
18	− 4.93	+1.23	−0.27	+35.5	−21.2	−1.9	8.19760	+ 26	+ 67
19	− 3.70	+1.01	−0.22	+14.3	−21.5	−0.3	8.19786	+ 98	+ 72
20	− 2.69	+0.84	−0.17	− 7.2	−20.2	+1.3	8.19884	+178	+ 80
21	− 1.85	+0.76	−0.08	−27.4	−17.3	+2.9	8.20062	+266	+ 88
22	− 1.09	+0.73	−0.03	−44.7	−13.0	+4.3	8.20328	+361	+ 95
23	− 0.36	+0.72	−0.01	−57.7	− 7.4	+5.6	8.20689	+459	+ 98
24	+ 0.36	+0.69	−0.03	−65.1	− 0.6	+6.8	8.21148	+552	+ 93
25	+ 1.05	+0.57	−0.12	−65.7	+ 7.4	+8.0	8.21700	+632	+ 80
26	+ 1.62			−58.3			8.22332		
Febr. 9	−14.86	+1.54		+84.2	+ 0.7		8.21103	−485	
10	−13.32	+1.80	+0.26	+84.9	− 3.4	−4.1	8.20618	−372	+113
11	−11.52	+1.89	+0.09	+81.5	− 8.3	−4.9	8.20246	−259	+113
12	− 9.63	+1.82	−0.07	+73.2	−13.2	−4.9	8.19987	−153	+106
13	− 7.81	+1.62	−0.20	+60.0	−17.2	−4.0	8.19834	− 57	+ 96
14	− 6.19	+1.34	−0.28	+42.8	−19.6	−2.4	8.19777	+ 26	+ 83
15	− 4.85	+1.06	−0.28	+23.2	−20.4	−0.8	8.19803	+ 98	+ 72
16	− 3.79	+0.85	−0.21	+ 2.8	−19.4	+1.0	8.19901	+162	+ 64
17	− 2.94	+0.73	−0.12	−16.6	−16.9	+2.5	8.20063	+222	+ 60
18	− 2.21	+0.69	−0.04	−33.5	−13.2	+3.7	8.20285	+279	+ 57
19	− 1.52	+0.70	+0.01	−46.7	− 8.4	+4.8	8.20564	+337	+ 58
20	− 0.82	+0.73	+0.03	−55.1	− 2.4	+6.0	8.20901	+398	+ 61
21	− 0.09	+0.72	−0.01	−57.5	+ 4.4	+6.8	8.21299	+459	+ 61
22	+ 0.63	+0.61	−0.11	−53.1	+11.6	+7.2	8.21758	+514	+ 55
23	+ 1.24	+0.31	−0.30	−41.5	+19.0	+7.4	8.22272	+558	+ 44
24	+ 1.55			−22.5			8.22830		
März 9	−12.55	+1.77		+79.5	− 6.5		8.20705	−402	
10	−10.78	+1.81	+0.04	+73.0	−11.0	−4.5	8.20303	−273	+129
11	− 8.97	+1.68	−0.13	+62.0	−15.1	−4.1	8.20030	−144	+129
12	− 7.29	+1.45	−0.23	+46.9	−18.0	−2.9	8.19886	− 23	+121
13	− 5.84	+1.17	−0.28	+28.9	−19.2	−1.2	8.19863	+ 83	+106
14	− 4.67	+0.91	−0.26	+ 9.7	−18.7	+0.5	8.19946	+173	+ 90
15	− 3.76	+0.72	−0.19	− 9.0	−16.5	+2.2	8.20119	+242	+ 69
16	− 3.04	+0.62	−0.10	−25.5	−13.0	+3.5	8.20361	+294	+ 52
17	− 2.42		−0.03	−38.5		+4.7	8.20655		+ 38

Mittlere Mitternacht Berlin.

Datum	$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			$\log \sin p_k$		
März 17	— 2.42	+0.59	—0.03	—38.5	— 8.3	+4.7	8.20655	+332	+ 38
18	— 1.83	+0.58	—0.01	—46.8	— 2.6	+5.7	8.20987	+358	+ 26
19	— 1.25	+0.58	0.00	—49.4	+ 3.6	+6.2	8.21345	+376	+ 18
20	— 0.67	+0.52	—0.06	—45.8	+10.1	+6.5	8.21721	+389	+ 13
21	— 0.15	+0.35	—0.17	—35.7	+16.4	+6.3	8.22110	+400	+ 11
22	+ 0.20	—0.01	—0.36	—19.3	+21.8	+5.4	8.22510	+407	+ 7
23	+ 0.19	—0.56	—0.55	+ 2.5	+25.0	+3.2	8.22917	+403	— 4
24	— 0.37	—1.24	—0.68	+27.5	+25.0	0.0	8.23320	+382	— 21
25	— 1.61			+52.5			8.23702		
April 8	— 7.99	+1.49		+48.0	—16.8		8.20105	—132	
9	— 6.50	+1.26	—0.23	+31.2	—18.4	—1.6	8.19973	+ 3	+135
10	— 5.24	+1.03	—0.23	+12.8	—18.5	—0.1	8.19976	+131	+128
11	— 4.21	+0.81	—0.22	— 5.7	—16.7	+1.8	8.20107	+241	+110
12	— 3.40	+0.65	—0.16	—22.4	—13.4	+3.3	8.20348	+327	+ 86
13	— 2.75	+0.56	—0.09	—35.8	— 8.8	+4.6	8.20675	+389	+ 62
14	— 2.19	+0.49	—0.07	—44.6	— 3.0	+5.8	8.21064	+422	+ 33
15	— 1.70	+0.42	—0.07	—47.6	+ 3.5	+6.5	8.21486	+427	+ 5
16	— 1.28	+0.31	—0.11	—44.1	+10.1	+6.6	8.21913	+411	— 16
17	— 0.97	+0.12	—0.19	—34.0	+16.2	+6.1	8.22324	+377	— 34
18	— 0.85	—0.19	—0.31	—17.8	+21.0	+4.8	8.22701	+331	— 46
19	— 1.04	—0.65	—0.46	+ 3.2	+23.6	+2.6	8.23032	+281	— 50
20	— 1.69	—1.18	—0.53	+26.8	+23.3	—0.3	8.23313	+231	— 50
21	— 2.87	—1.65	—0.47	+50.1	+20.1	—3.2	8.23544	+182	— 49
22	— 4.52	—1.92	—0.27	+70.2	+15.0	—5.1	8.23726	+130	— 52
23	— 6.44	—1.93	—0.01	+85.2	+ 9.1	—5.9	8.23856	+ 70	— 60
24	— 8.37			+94.3			8.23926		
Mai 8	— 4.47	+0.94		— 4.2	—17.5		8.20032	+168	
9	— 3.53	+0.79	—0.15	—21.7	—14.7	+2.8	8.20200	+296	+128
10	— 2.74	+0.68	—0.11	—36.4	—10.4	+4.3	8.20496	+402	+106
11	— 2.06	+0.58	—0.10	—46.8	— 4.8	+5.6	8.20898	+481	+ 79
12	— 1.48	+0.47	—0.11	—51.6	+ 2.1	+6.9	8.21379	+527	+ 46
13	— 1.01	+0.30	—0.17	—49.5	+ 9.4	+7.3	8.21906	+533	+ 6
14	— 0.71	+0.04	—0.26	—40.1	+16.4	+7.0	8.22439	+498	— 35
15	— 0.67	—0.37	—0.41	—23.7	+21.9	+5.5	8.22937	+428	— 70
16	— 1.04	—0.91	—0.54	— 1.8	+24.7	+2.8	8.23365	+334	— 94
17	— 1.95	—1.48	—0.57	+22.9	+24.1	—0.6	8.23699	+224	—110
18	— 3.43	—1.94	—0.46	+47.0	+20.1	—4.0	8.23923	+112	—112
19	— 5.37	—2.14	—0.20	+67.1	+14.0	—6.1	8.24035	+ 9	—103
20	— 7.51	—2.02	+0.12	+81.1	+ 7.9	—6.1	8.24044	— 78	— 87
21	— 9.53	—1.66	+0.36	+89.0	+ 3.4	—4.5	8.23966	—147	— 69
22	—11.19	—1.25	+0.41	+92.4	+ 0.3	—3.1	8.23819	—203	— 56
23	—12.44			+92.7			8.23616		

Mittlere Mitternacht Berlin.

Datum		$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			log sin p_k		
Juni	6	− 2.82	+0.86		− 35.4	−12.6		8.20195	+328	
	7	− 1.96	+0.79	−0.07	− 48.0	− 7.6	+ 5.0	8.20523	+450	+122
	8	− 1.17	+0.71	−0.08	− 55.6	− 1.1	+ 6.5	8.20973	+548	+ 98
	9	− 0.46	+0.56	−0.15	− 56.7	+ 6.5	+ 7.6	8.21521	+615	+ 67
	10	+ 0.10	+0.30	−0.26	− 50.2	+14.5	+ 8.0	8.22136	+638	+ 23
	11	+ 0.40	−0.15	−0.45	− 35.7	+21.8	+ 7.3	8.22774	+609	− 29
	12	+ 0.25	−0.81	−0.66	− 13.9	+26.7	+ 4.9	8.23383	+529	− 80
	13	− 0.56	−1.60	−0.79	+ 12.8	+27.4	+ 0.7	8.23912	+404	−125
	14	− 2.16	−2.31	−0.71	+ 40.2	+23.4	− 4.0	8.24316	+246	−158
	15	− 4.47	−2.69	−0.38	+ 63.6	+16.0	− 7.4	8.24562	+ 75	−171
	16	− 7.16	−2.61	+0.08	+ 79.6	+ 7.9	− 8.1	8.24637	− 88	−163
	17	− 9.77	−2.16	+0.45	+ 87.5	+ 1.6	− 6.3	8.24549	−227	−139
	18	−11.93	−1.57	+0.59	+ 89.1	− 1.7	− 3.3	8.24322	−332	−105
	19	−13.50	−0.99	+0.58	+ 87.4	− 2.5	− 0.8	8.23990	−401	− 69
	20	−14.49	−0.49	+0.50	+ 84.9	− 2.0	+ 0.5	8.23589	−435	− 34
	21	−14.98	−0.07	+0.42	+ 82.9	− 1.1	+ 0.9	8.23154	−445	− 10
	22	−15.05			+ 81.8			8.22709		
Juli	5	− 1.34	+0.96		− 54.2	− 4.5		8.20470	+459	
	6	− 0.38	+0.91	−0.05	− 58.7	+ 2.5	+ 7.0	8.20929	+570	+111
	7	+ 0.53	+0.73	−0.18	− 56.2	+10.4	+ 7.9	8.21499	+655	+ 85
	8	+ 1.26	+0.38	−0.35	− 45.8	+18.7	+ 8.3	8.22154	+701	+ 46
	9	+ 1.64	−0.21	−0.59	− 27.1	+25.8	+ 7.1	8.22855	+698	− 3
	10	+ 1.43	−1.09	−0.88	− 1.3	+29.8	+ 4.0	8.23553	+634	− 64
	11	+ 0.34	−2.10	−1.01	+ 28.5	+28.7	− 1.1	8.24187	+508	−126
	12	− 1.76	−2.91	−0.81	+ 57.2	+21.9	− 6.8	8.24695	+334	−174
	13	− 4.67	−3.23	−0.32	+ 79.1	+11.9	−10.0	8.25029	+124	−210
	14	− 7.90	−2.99	+0.24	+ 91.0	+ 2.4	− 9.5	8.25153	− 94	−218
	15	−10.89	−2.36	+0.63	+ 93.4	− 3.8	− 6.2	8.25059	−288	−194
	16	−13.25	−1.63	+0.73	+ 89.6	− 5.9	− 2.1	8.24771	−440	−152
	17	−14.88	−0.96	+0.67	+ 83.7	− 5.0	+ 0.9	8.24331	−542	−102
	18	−15.84	−0.39	+0.57	+ 78.7	− 2.9	+ 2.1	8.23789	−591	− 49
	19	−16.23	+0.10	+0.49	+ 75.8	− 1.4	+ 1.5	8.23198	−594	− 3
	20	−16.13	+0.51	+0.41	+ 74.4	− 0.2	+ 1.2	8.22604	−565	+ 29
	21	−15.62			+ 74.2			8.22039		
Aug.	4	+ 1.13	+0.88		− 47.7	+14.2		8.21413	+632	
	5	+ 2.01	+0.47	−0.41	− 33.5	+22.0	+ 7.8	8.22045	+696	+ 64
	6	+ 2.48	−0.23	−0.70	− 11.5	+28.3	+ 6.3	8.22741	+718	+ 22
	7	+ 2.25	−1.23	−1.00	+ 16.8	+30.8	+ 2.5	8.23459	+686	− 32
	8	+ 1.02	−2.32	−1.09	+ 47.6	+27.8	− 3.0	8.24145	+590	− 96
	9	− 1.30	−3.14	−0.82	+ 75.4	+19.4	− 8.4	8.24735	+431	−159
	10	− 4.44	−3.40	−0.26	+ 94.8	+ 8.1	−11.3	8.25166	+220	−211
	11	− 7.84		+0.29	+102.9		−10.0	8.25386		−238

Mittlere Mitternacht Berlin.

Datum	$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
	s	s	s	"	"	"			
Aug. 11	− 7.84	−3.11	+0.29	+102.9	− 1.9	−10.0	8.25386	− 18	−238
12	−10.95	−2.47	+0.64	+101.0	− 7.8	− 5.9	8.25368	−250	−232
13	−13.42	−1.75	+0.72	+ 93.2	− 9.4	− 1.6	8.25118	−448	−198
14	−15.17	−1.07	+0.68	+ 83.8	− 7.7	+ 1.7	8.24670	−594	−146
15	−16.24	−0.46	+0.61	+ 76.1	− 4.7	+ 3.0	8.24076	−676	− 82
16	−16.70	+0.08	+0.54	+ 71.4	− 2.1	+ 2.6	8.23400	−697	− 21
17	−16.62	+0.56	+0.48	+ 69.3	− 0.8	+ 1.3	8.22703	−668	+ 29
18	−16.06	+0.98	+0.42	+ 68.5	− 1.0	− 0.2	8.22035	−605	+ 63
19	−15.08			+ 67.5			8.21430		
Sept. 2	+ 2.01	+0.41		− 13.4	+24.5		8.21967	+617	
3	+ 2.42	−0.34	−0.75	+ 11.1	+28.9	+ 4.4	8.22584	+651	+ 34
4	+ 2.08	−1.34	−1.00	+ 40.0	+29.4	+ 0.5	8.23235	+646	− 5
5	+ 0.74	−2.30	−0.96	+ 69.4	+24.6	− 4.8	8.23881	+587	− 59
6	− 1.56	−2.95	−0.65	+ 94.0	+15.5	− 9.1	8.24468	+470	−117
7	− 4.51	−3.12	−0.17	+109.5	+ 4.7	−10.8	8.24938	+298	−172
8	− 7.63	−2.86	+0.26	+114.2	− 4.7	− 9.4	8.25236	+ 81	−217
9	−10.49	−2.33	+0.53	+109.5	−10.3	− 5.6	8.25317	−151	−232
10	−12.82	−1.72	+0.61	+ 99.2	−11.7	− 1.4	8.25166	−367	−216
11	−14.54	−1.13	+0.59	+ 87.5	−10.0	+ 1.7	8.24799	−546	−179
12	−15.67	−0.57	+0.56	+ 77.5	− 7.0	+ 3.0	8.24253	−666	−120
13	−16.24	−0.03	+0.54	+ 70.5	− 4.1	+ 2.9	8.23587	−720	− 54
14	−16.27	+0.49	+0.52	+ 66.4	− 2.4	+ 1.7	8.22867	−713	+ 7
15	−15.78	+0.94	+0.45	+ 64.0	− 2.6	− 0.2	8.22154	−658	+ 55
16	−14.84	+1.28	+0.34	+ 61.4	− 4.5	− 1.9	8.21496	−569	+ 89
17	−13.56	+1.48	+0.20	+ 56.9	− 7.3	− 2.8	8.20927	−459	+110
18	−12.08			+ 49.6			8.20468		
Okt. 2	+ 0.58	−1.48		+ 64.8	+25.3		8.23079	+512	
3	− 0.90	−2.14	−0.66	+ 90.1	+19.1	− 6.2	8.23591	+480	− 32
4	− 3.04	−2.48	−0.34	+109.2	+10.5	− 8.6	8.24071	+406	− 74
5	− 5.52	−2.49	−0.01	+119.7	+ 1.3	− 9.2	8.24477	+287	−119
6	− 8.01	−2.23	+0.26	+121.0	− 6.3	− 7.6	8.24764	+126	−161
7	−10.24	−1.84	+0.39	+114.7	−10.9	− 4.6	8.24890	− 63	−189
8	−12.08	−1.43	+0.41	+103.8	−12.4	− 1.5	8.24827	−257	−194
9	−13.51	−0.98	+0.45	+ 91.4	−11.4	+ 1.0	8.24570	−433	−176
10	−14.49	−0.54	+0.44	+ 80.0	− 8.9	+ 2.5	8.24137	−571	−138
11	−15.03	−0.08	+0.46	+ 71.1	− 6.4	+ 2.5	8.23566	−654	− 83
12	−15.11	+0.40	+0.48	+ 64.7	− 5.0	+ 1.4	8.22912	−679	− 25
13	−14.71	+0.82	+0.42	+ 59.7	− 5.1	− 0.1	8.22233	−651	+ 28
14	−13.89	+1.15	+0.33	+ 54.6	− 6.5	− 1.4	8.21582	−578	+ 73
15	−12.74	+1.34	+0.19	+ 48.1	− 9.0	− 2.5	8.21004	−472	+106
16	−11.40	+1.38	+0.04	+ 39.1	−11.5	− 2.5	8.20532	−348	+124
17	−10.02			+ 27.6			8.20184		

Mittlere Mitternacht Berlin.

Datum	$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
Okt. 31	−3.67 s	−1.95 s		+104.6″	+12.1″		8.23498	+287	
Nov. 1	−5.62	−1.92	+0.03 s	+116.7	+4.8	−7.3″	8.23785	+237	−50
2	−7.54	−1.73	+0.19	+121.5	−1.9	−6.7	8.24022	+163	−74
3	−9.27	−1.46	+0.27	+119.6	−6.9	−5.0	8.24185	+64	−99
4	−10.73	−1.16	+0.30	+112.7	−10.0	−3.1	8.24249	−57	−121
5	−11.89	−0.87	+0.29	+102.7	−11.4	−1.4	8.24192	−193	−136
6	−12.76	−0.58	+0.29	+91.3	−11.1	+0.3	8.23999	−329	−136
7	−13.34	−0.28	+0.30	+80.2	−9.8	+1.3	8.23670	−448	−119
8	−13.62	+0.05	+0.33	+70.4	−8.3	+1.5	8.23222	−532	−84
9	−13.57	+0.40	+0.35	+62.1	−7.5	+0.8	8.22690	−576	−44
10	−13.17	+0.74	+0.34	+54.6	−7.8	−0.3	8.22114	−576	0
11	−12.43	+0.99	+0.25	+46.8	−9.0	−1.2	8.21538	−531	+45
12	−11.44	+1.15	+0.16	+37.8	−10.7	−1.7	8.21007	−446	+85
13	−10.29	+1.22	+0.07	+27.1	−12.4	−1.7	8.20561	−333	+113
14	−9.07	+1.21	−0.01	+14.7	−13.4	−1.0	8.20228	−202	+131
15	−7.86	+1.17	−0.04	+1.3	−13.2	+0.2	8.20026	−61	+141
16	−6.69			−11.9			8.19965		
Nov. 30	−10.06	−1.13		+114.6	−4.8		8.23815	−45	
Dez. 1	−11.19	−0.79	+0.34	+109.8	−7.2	−2.4	8.23770	−100	−55
2	−11.98	−0.51	+0.28	+102.6	−8.6	−1.4	8.23670	−161	−61
3	−12.49	−0.28	+0.23	+94.0	−9.2	−0.6	8.23509	−229	−68
4	−12.77	−0.07	+0.21	+84.8	−9.3	−0.1	8.23280	−299	−70
5	−12.84	+0.14	+0.21	+75.5	−9.2	+0.1	8.22981	−366	−67
6	−12.70	+0.36	+0.22	+66.3	−9.0	+0.2	8.22615	−421	−55
7	−12.34	+0.58	+0.22	+57.3	−9.1	−0.1	8.22194	−455	−34
8	−11.76	+0.76	+0.18	+48.2	−9.8	−0.7	8.21739	−461	−6
9	−11.00	+0.92	+0.16	+38.4	−10.9	−1.1	8.21278	−436	+25
10	−10.08	+1.03	+0.11	+27.5	−12.2	−1.3	8.20842	−377	+59
11	−9.05	+1.08	+0.05	+15.3	−13.0	−0.8	8.20465	−288	+89
12	−7.97	+1.12	+0.04	+2.3	−13.1	−0.1	8.20177	−175	+113
13	−6.85	+1.16	+0.04	−10.8	−12.3	+0.8	8.20002	−43	+132
14	−5.69	+1.17	+0.01	−23.1	−10.0	+2.3	8.19959	+97	+140
15	−4.52	+1.20	+0.03	−33.1	−6.5	+3.5	8.20056	+237	+140
16	−3.32			−39.6			8.20293		
Dez. 29	−13.16	−0.43		+95.7	−7.7		8.23705	−318	
30	−13.59	−0.10	+0.33	+88.0	−7.5	+0.2	8.23387	−342	−24
31	−13.69			+80.5			8.23045		

12h Mittl. Zeit	Lage gegen den Erdäquator.							
	i		Δ		☊′		Δ − ☋	
Jan. 1	23° 52′.59	0′.81	287° 47′.17	31′.18	356° 19′.50	0′.63	3° 21′.97	0′.59
11	23 51.78	0.81	287 15.99	31.20	356 18.87	0.61	3 22.56	0.57
21	23 50.97	0.81	286 44.79	31.21	356 18.26	0.60	3 23.13	0.56
31	23 50.16	0.82	286 13.58	31.23	356 17.66	0.58	3 23.69	0.54
Febr. 10	23 49.34	0.82	285 42.35	31.25	356 17.08	0.56	3 24.23	0.53
20	23 48.52	0.82	285 11.10	31.27	356 16.52	0.54	3 24.76	0.51
März 1	23 47.70	0.82	284 39.83	31.28	356 15.98	0.53	3 25.27	0.49
11	23 46.88	0.82	284 8.55	31.30	356 15.45	0.51	3 25.76	0.47
21	23 46.06	0.83	283 37.25	31.32	356 14.94	0.49	3 26.23	0.46
31	23 45.23	0.83	283 5.93	31.34	356 14.45	0.47	3 26.69	0.44
April 10	23 44.40	0.83	282 34.59	31.36	356 13.98	0.45	3 27.13	0.42
20	23 43.57	0.83	282 3.23	31.37	356 13.53	0.43	3 27.55	0.41
30	23 42.74	0.84	281 31.86	31.38	356 13.10	0.41	3 27.96	0.39
Mai 10	23 41.90	0.84	281 0.48	31.40	356 12.69	0.39	3 28.35	0.37
20	23 41.06	0.84	280 29.08	31.41	356 12.30	0.38	3 28.72	0.36
30	23 40.22	0.84	279 57.67	31.43	356 11.92	0.36	3 29.08	0.34
Juni 9	23 39.38	0.84	279 26.24	31.44	356 11.56	0.33	3 29.42	0.32
19	23 38.54	0.84	278 54.80	31.46	356 11.23	0.32	3 29.74	0.30
29	23 37.70	0.84	278 23.34	31.48	356 10.91	0.30	3 30.04	0.29
Juli 9	23 36.86	0.84	277 51.86	31.50	356 10.61	0.28	3 30.33	0.27
19	23 36.02	0.84	277 20.36	31.52	356 10.33	0.26	3 30.60	0.25
29	23 35.18	0.84	276 48.84	31.54	356 10.07	0.24	3 30.85	0.23
Aug. 8	23 34.34	0.84	276 17.30	31.56	356 9.83	0.23	3 31.08	0.22
18	23 33.50	0.84	275 45.74	31.58	356 9.60	0.21	3 31.30	0.20
28	23 32.66	0.85	275 14.16	31.60	356 9.39	0.18	3 31.50	0.18
Sept. 7	23 31.81	0.85	274 42.56	31.62	356 9.21	0.16	3 31.68	0.16
17	23 30.96	0.85	274 10.94	31.64	356 9.05	0.15	3 31.84	0.14
27	23 30.11	0.85	273 39.30	31.65	356 8.90	0.13	3 31.98	0.12
Okt. 7	23 29.26	0.85	273 7.65	31.67	356 8.77	0.10	3 32.10	0.11
17	23 28.41	0.85	272 35.98	31.68	356 8.67	0.09	3 32.21	0.09
27	23 27.56	0.85	272 4.30	31.70	356 8.58	0.07	3 32.30	0.07
Nov. 6	23 26.71	0.85	271 32.60	31.72	356 8.51	0.05	3 32.37	0.06
16	23 25.86	0.85	271 0.88	31.73	356 8.46	0.02	3 32.43	0.04
26	23 25.01	0.85	270 29.15	31.75	356 8.44	0.01	3 32.47	0.02
Dez. 6	23 24.16	0.85	269 57.40	31.76	356 8.43	0.01	3 32.49	0.00
16	23 23.31	0.85	269 25.64	31.78	356 8.44	0.03	3 32.49	0.01
26	23 22.46	0.85	268 53.86	31.80	356 8.47	0.05	3 32.48	0.03
36	23 21.61		268 22.06		356 8.52		3 32.45	

12h Mittl. Zeit	Aufst. Knoten der Mondbahn ° ′ ″	Mittlere Länge des Mondes ° ′ ″
Jan. 1	104 25 28.3	257 58 32.8
11	103 53 42.0	29 44 23.1
21	103 21 55.6	161 30 13.4
31	102 50 9.3	293 16 3.7
Febr. 10	102 18 22.9	65 1 54.0
20	101 46 36.6	196 47 44.3
März 1	101 14 50.2	328 33 34.6
11	100 43 3.9	100 19 24.9
21	100 11 17.5	232 5 15.2
31	99 39 31.2	3 51 5.5
April 10	99 7 44.8	135 36 55.8
20	98 35 58.5	267 22 46.1
30	98 4 12.1	39 8 36.4
Mai 10	97 32 25.8	170 54 26.7
20	97 0 39.4	302 40 17.0
30	96 28 53.1	74 26 7.3
Juni 9	95 57 6.8	206 11 57.5
19	95 25 20.4	337 57 47.8
29	94 53 34.1	109 43 38.1
Juli 9	94 21 47.7	241 29 28.4
19	93 50 1.4	13 15 18.7
29	93 18 15.1	145 1 9.0
Aug. 8	92 46 28.7	276 46 59.3
18	92 14 42.4	48 32 49.6
28	91 42 56.0	180 18 39.9
Sept. 7	91 11 9.6	312 4 30.1
17	90 39 23.3	83 50 20.4
27	90 7 36.9	215 36 10.7
Okt. 7	89 35 50.6	347 22 1.0
17	89 4 4.2	119 7 51.3
27	88 32 17.9	250 53 41.6
Nov. 6	88 0 31.6	22 39 31.9
16	87 28 45.2	154 25 22.2
26	86 56 58.9	286 11 12.5
Dez. 6	86 25 12.5	57 57 2.8
16	85 53 26.2	189 42 53.1
26	85 21 39.9	321 28 43.4
36	84 49 53.5	93 14 33.7

Bewegung der mittleren Länge des Mondes nach mittlerer Sonnenzeit

d	° ′ ″
1	13 10 35.0
2	26 21 10.1
3	39 31 45.1
4	52 42 20.1
5	65 52 55.1
6	79 3 30.2
7	92 14 5.2
8	105 24 40.2
9	118 35 15.2
10	131 45 50.3

h	° ′ ″
1	0 32 56.5
2	1 5 52.9
3	1 38 49.4
4	2 11 45.8
5	2 44 42.3
6	3 17 38.8
7	3 50 35.2
8	4 23 31.7
9	4 56 28.1
10	5 29 24.6
11	6 2 21.1
12	6 35 17.5
13	7 8 14.0
14	7 41 10.4
15	8 14 6.9
16	8 47 3.4
17	9 19 59.8
18	9 52 56.3
19	10 25 52.7
20	10 58 49.2
21	11 31 45.6
22	12 4 42.1
23	12 37 38.5
24	13 10 35.0

m	′ ″	m	′ ″
1	0 32.9	31	17 1.2
2	1 5.9	32	17 34.1
3	1 38.8	33	18 7.1
4	2 11.8	34	18 40.0
5	2 44.7	35	19 12.9
6	3 17.6	36	19 45.9
7	3 50.6	37	20 18.8
8	4 23.5	38	20 51.8
9	4 56.5	39	21 24.7
10	5 29.4	40	21 57.7
11	6 2.4	41	22 30.6
12	6 35.3	42	23 3.5
13	7 8.2	43	23 36.5
14	7 41.2	44	24 9.4
15	8 14.1	45	24 42.3
16	8 47.1	46	25 15.3
17	9 20.0	47	25 48.2
18	9 52.9	48	26 21.2
19	10 25.9	49	26 54.1
20	10 58.8	50	27 27.1
21	11 31.8	51	28 0.0
22	12 4.7	52	28 32.9
23	12 37.6	53	29 5.9
24	13 10.6	54	29 38.8
25	13 43.5	55	30 11.7
26	14 16.5	56	30 44.7
27	14 49.4	57	31 17.6
28	15 22.3	58	31 50.6
29	15 55.3	59	32 23.5
30	16 28.2	60	32 56.5

s	″
10	5.5
20	11.0
30	16.5
40	22.0
50	27.5
60	32.9

Meridian und Polhöhe von Berlin.

Datum		SONNE Unterg.	SONNE Aufg.	MOND Unterg.	MOND Aufg.
		h m	h m	h m	h m
Jan.	1	3 53	20 14	1 58	18 22
	2	3 54	20 13	2 38	19 39
	3	3 55	20 13	3 31	20 45
	4	3 56	20 13	4 39	21 37
	5	3 58	20 13	5 58	22 17
	6	3 59	20 12	7 23	22 47
	7	4 0	20 12	8 47	23 11
	8	4 1	20 11	10 9	23 32
	9	4 3	20 11	11 28	23 51
	10	4 4	20 10	12 43	—
				Aufg.	Unterg.
	11	4 5	20 10	0 10	13 57
	12	4 7	20 9	0 30	15 9
	13	4 8	20 8	0 52	16 18
	14	4 10	20 7	1 18	17 24
	15	4 12	20 6	1 50	18 25
	16	4 13	20 5	2 30	19 19
	17	4 15	20 4	3 17	20 4
	18	4 16	20 3	4 12	20 41
	19	4 18	20 2	5 13	21 11
	20	4 20	20 1	6 18	21 35
	21	4 21	20 0	7 25	21 56
	22	4 23	19 59	8 33	22 15
	23	4 25	19 58	9 41	22 32
	24	4 27	19 56	10 51	22 50
	25	4 29	19 55	12 2	23 8
	26	4 30	19 54	13 16	23 29
	27	4 32	19 52	14 34	23 54
	28	4 34	19 51	15 53	—
				Unterg.	Aufg.
	29	4 36	19 49	0 28	17 11
	30	4 38	19 48	1 12	18 22
	31	4 40	19 46	2 11	19 22
Febr.	1	4 42	19 45	3 24	20 8
	2	4 43	19 43	4 48	20 43
	3	4 45	19 41	6 16	21 11
	4	4 47	19 40	7 43	21 34
	5	4 49	19 38	9 6	21 54
	6	4 51	19 36	10 25	22 14
	7	4 53	19 34	11 42	22 34

Datum		SONNE Unterg.	SONNE Aufg.	MOND Unterg.	MOND Aufg.
		h m	h m	h m	h m
Febr.	8	4 55	19 33	12 57	22 56
	9	4 57	19 31	14 8	23 21
	10	4 59	19 29	15 16	23 51
	11	5 1	19 27	16 19	—
				Aufg.	Unterg.
	12	5 3	19 25	0 28	17 15
	13	5 5	19 23	1 13	18 3
	14	5 6	19 21	2 5	18 42
	15	5 8	19 19	3 4	19 14
	16	5 10	19 17	4 8	19 40
	17	5 12	19 15	5 15	20 2
	18	5 14	19 13	6 23	20 21
	19	5 16	19 11	7 32	20 39
	20	5 18	19 9	8 42	20 56
	21	5 20	19 7	9 53	21 13
	22	5 21	19 5	11 5	21 33
	23	5 23	19 3	12 20	21 56
	24	5 25	19 1	13 36	22 25
	25	5 27	18 58	14 52	23 3
	26	5 29	18 56	16 4	23 53
	27	5 31	18 54	17 7	—
				Unterg.	Aufg.
	28	5 33	18 52	0 57	17 58
	29	5 35	18 50	2 15	18 37
März	1	5 36	18 47	3 40	19 8
	2	5 38	18 45	5 8	19 33
	3	5 40	18 43	6 34	19 55
	4	5 42	18 41	7 58	20 15
	5	5 44	18 38	9 19	20 35
	6	5 46	18 36	10 37	20 57
	7	5 48	18 34	11 52	21 21
	8	5 49	18 31	13 4	21 50
	9	5 51	18 29	14 10	22 25
	10	5 53	18 27	15 10	23 7
	11	5 55	18 24	16 1	23 57
	12	5 57	18 22	16 43	—
				Aufg.	Unterg.
	13	5 58	18 20	0 55	17 17
	14	6 0	18 18	1 58	17 44

Meridian und Polhöhe von Berlin.

Datum	SONNE		MOND	
	Unterg.	Aufg.	Aufg.	Unterg.
	h m	h m	h m	h m
März 15	6 2	18 15	3 4	18 7
16	6 4	18 13	4 12	18 27
17	6 5	18 11	5 21	18 45
18	6 7	18 8	6 31	19 2
19	6 9	18 6	7 43	19 19
20	6 11	18 3	8 56	19 38
21	6 12	18 1	10 11	20 0
22	6 14	17 59	11 27	20 26
23	6 16	17 56	12 43	21 0
24	6 18	17 54	13 55	21 44
25	6 19	17 51	15 0	22 42
26	6 21	17 49	15 53	23 53
27	6 23	17 47	16 35	—
			Unterg.	Aufg.
28	6 25	17 44	1 13	17 8
29	6 26	17 42	2 37	17 34
30	6 28	17 40	4 3	17 56
31	6 30	17 37	5 28	18 16
April 1	6 32	17 35	6 50	18 36
2	6 34	17 33	8 11	18 57
3	6 35	17 30	9 30	19 20
4	6 37	17 28	10 45	19 47
5	6 39	17 26	11 56	20 19
6	6 40	17 23	13 0	20 59
7	6 42	17 21	13 56	21 47
8	6 44	17 19	14 42	22 42
9	6 46	17 17	15 19	23 44
10	6 47	17 14	15 48	—
			Aufg.	Unterg.
11	6 49	17 12	0 49	16 12
12	6 51	17 10	1 57	16 33
13	6 53	17 7	3 6	16 51
14	6 54	17 5	4 16	17 8
15	6 56	17 3	5 28	17 25
16	6 58	17 1	6 42	17 43
17	7 0	16 59	7 58	18 3
18	7 1	16 56	9 15	18 28
19	7 3	16 54	10 33	19 0
20	7 5	16 52	11 48	19 41
21	7 7	16 50	12 56	20 34

Datum	SONNE		MOND	
	Unterg.	Aufg.	Aufg.	Unterg.
	h m	h m	h m	h m
April 22	7 8	16 48	13 53	21 40
23	7 10	16 46	14 37	22 57
24	7 12	16 44	15 11	—
			Unterg.	Aufg.
25	7 13	16 42	0 19	15 39
26	7 15	16 40	1 42	16 1
27	7 17	16 38	3 4	16 20
28	7 19	16 35	4 26	16 39
29	7 20	16 33	5 46	16 59
30	7 22	16 31	7 6	17 20
Mai 1	7 24	16 29	8 23	17 45
2	7 25	16 28	9 37	18 15
3	7 27	16 26	10 46	18 51
4	7 29	16 24	11 47	19 36
5	7 31	16 22	12 37	20 29
6	7 32	16 20	13 18	21 29
7	7 34	16 18	13 51	22 33
8	7 35	16 16	14 17	23 40
9	7 37	16 15	14 38	—
			Aufg.	Unterg.
10	7 39	16 13	0 49	14 57
11	7 40	16 11	1 58	15 14
12	7 42	16 10	3 9	15 30
13	7 43	16 8	4 22	15 47
14	7 45	16 7	5 37	16 6
15	7 47	16 5	6 55	16 29
16	7 48	16 4	8 16	16 58
17	7 50	16 2	9 35	17 36
18	7 51	16 1	10 48	18 26
19	7 53	15 59	11 50	19 30
20	7 54	15 58	12 39	20 45
21	7 56	15 57	13 16	22 6
22	7 57	15 55	13 45	23 28
23	7 58	15 54	14 8	—
			Unterg.	Aufg.
24	8 0	15 53	0 50	14 28
25	8 1	15 52	2 11	14 46
26	8 3	15 51	3 30	15 4
27	8 4	15 49	4 47	15 24

Meridian und Polhöhe von Berlin.

Datum		SONNE Unterg.	SONNE Aufg.	MOND Unterg.	MOND Aufg.
		h m	h m	h m	h m
Mai	28	8 5	15 48	6 4	15 47
	29	8 7	15 47	7 19	16 13
	30	8 8	15 46	8 31	16 46
	31	8 9	15 46	9 36	17 27
Juni	1	8 10	15 45	10 31	18 17
	2	8 11	15 44	11 16	19 15
	3	8 12	15 43	11 52	20 18
	4	8 13	15 43	12 20	21 24
	5	8 14	15 42	12 43	22 32
	6	8 15	15 42	13 3	23 41
	7	8 16	15 41	13 20	—
				Aufg.	Unterg.
	8	8 17	15 41	0 50	13 36
	9	8 18	15 40	2 1	13 52
	10	8 19	15 40	3 14	14 10
	11	8 19	15 39	4 30	14 30
	12	8 20	15 39	5 50	14 56
	13	8 21	15 39	7 11	15 29
	14	8 21	15 39	8 29	16 14
	15	8 22	15 39	9 38	17 14
	16	8 22	15 39	10 34	18 27
	17	8 23	15 39	11 17	19 49
	18	8 23	15 39	11 49	21 14
	19	8 24	15 39	12 14	22 38
	20	8 24	15 39	12 35	23 59
	21	8 24	15 39	12 54	—
				Unterg.	Aufg.
	22	8 24	15 39	1 18	13 12
	23	8 24	15 40	2 36	13 31
	24	8 24	15 40	3 52	13 51
	25	8 24	15 40	5 6	14 16
	26	8 24	15 41	6 18	14 46
	27	8 24	15 41	7 25	15 23
	28	8 24	15 42	8 24	16 10
	29	8 24	15 42	9 13	17 5
	30	8 24	15 43	9 52	18 6
Juli	1	8 24	15 44	10 23	19 12
	2	8 23	15 44	10 48	20 19
	3	8 23	15 45	11 8	21 27
	4	8 22	15 46	11 26	22 35

Datum		SONNE Unterg.	SONNE Aufg.	MOND Unterg.	MOND Aufg.
		h m	h m	h m	h m
Juli	5	8 22	15 47	11 42	23 43
	6	8 21	15 48	11 58	—
				Aufg.	Unterg.
	7	8 21	15 49	0 54	12 14
	8	8 20	15 50	2 7	12 32
	9	8 19	15 51	3 23	12 55
	10	8 19	15 52	4 42	13 24
	11	8 18	15 53	6 2	14 2
	12	8 17	15 54	7 17	14 54
	13	8 16	15 55	8 21	16 3
	14	8 15	15 57	9 11	17 24
	15	8 14	15 58	9 48	18 51
	16	8 13	15 59	10 17	20 18
	17	8 12	16 0	10 40	21 43
	18	8 11	16 2	11 0	23 5
	19	8 10	16 3	11 18	—
				Unterg.	Aufg.
	20	8 8	16 4	0 24	11 37
	21	8 7	16 6	1 41	11 57
	22	8 6	16 7	2 57	12 20
	23	8 4	16 9	4 9	12 48
	24	8 3	16 10	5 17	13 23
	25	8 1	16 11	6 18	14 6
	26	8 0	16 13	7 10	14 58
	27	7 59	16 15	7 52	15 57
	28	7 57	16 16	8 25	17 1
	29	7 55	16 17	8 52	18 8
	30	7 54	16 19	9 14	19 16
	31	7 52	16 21	9 32	20 24
Aug.	1	7 50	16 22	9 48	21 32
	2	7 49	16 24	10 3	22 40
	3	7 47	16 25	10 19	23 51
	4	7 45	16 27	10 36	—
				Aufg.	Unterg.
	5	7 43	16 28	1 4	10 56
	6	7 42	16 30	2 20	11 21
	7	7 40	16 32	3 37	11 53
	8	7 38	16 33	4 53	12 37
	9	7 36	16 35	6 2	13 37

Meridian und Polhöhe von Berlin.

Datum	SONNE Unterg.	SONNE Aufg.	MOND Aufg.	MOND Unterg.
	h m	h m	h m	h m
Aug. 10	7 34	16 37	6 58	14 52
11	7 32	16 38	7 42	16 18
12	7 30	16 40	8 15	17 47
13	7 28	16 42	8 41	19 16
14	7 26	16 43	9 3	20 43
15	7 24	16 45	9 22	22 6
16	7 22	16 47	9 41	23 27
17	7 20	16 48	10 1	—
			Unterg.	Aufg.
18	7 18	16 50	0 45	10 23
19	7 16	16 52	2 0	10 50
20	7 14	16 53	3 10	11 23
21	7 12	16 55	4 13	12 3
22	7 10	16 57	5 8	12 53
23	7 7	16 58	5 53	13 50
24	7 5	17 0	6 29	14 53
25	7 3	17 2	6 57	15 59
26	7 1	17 3	7 19	17 7
27	6 58	17 5	7 38	18 15
28	6 56	17 7	7 55	19 23
29	6 54	17 8	8 11	20 32
30	6 52	17 10	8 26	21 41
31	6 49	17 12	8 42	22 52
Sept. 1	6 47	17 13	9 0	—
			Aufg.	Unterg.
2	6 45	17 15	0 6	9 22
3	6 43	17 17	1 21	9 51
4	6 40	17 18	2 36	10 28
5	6 38	17 20	3 46	11 18
6	6 36	17 22	4 46	12 24
7	6 33	17 23	5 34	13 44
8	6 31	17 25	6 11	15 11
9	6 29	17 27	6 40	16 42
10	6 26	17 28	7 3	18 11
11	6 24	17 30	7 24	19 38
12	6 22	17 32	7 43	21 3
13	6 19	17 33	8 3	22 25
14	6 17	17 35	8 25	23 44
15	6 14	17 37	8 50	—

Datum	SONNE Unterg.	SONNE Aufg.	MOND Unterg.	MOND Aufg.
	h m	h m	h m	h m
Sept. 16	6 12	17 38	0 59	9 21
17	6 10	17 40	2 7	9 59
18	6 7	17 42	3 5	10 46
19	6 5	17 43	3 53	11 41
20	6 2	17 45	4 31	12 43
21	6 0	17 47	5 1	13 49
22	5 58	17 48	5 25	14 57
23	5 55	17 50	5 45	16 5
24	5 53	17 52	6 2	17 13
25	5 51	17 54	6 18	18 22
26	5 48	17 55	6 33	19 32
27	5 46	17 57	6 48	20 44
28	5 44	17 59	7 5	21 57
29	5 41	18 0	7 26	23 12
30	5 39	18 2	7 51	—
			Aufg.	Unterg.
Okt. 1	5 37	18 4	0 26	8 24
2	5 34	18 5	1 37	9 9
3	5 32	18 7	2 39	10 7
4	5 29	18 9	3 30	11 20
5	5 27	18 10	4 9	12 42
6	5 25	18 12	4 40	14 9
7	5 23	18 14	5 4	15 37
8	5 20	18 16	5 25	17 5
9	5 18	18 17	5 44	18 31
10	5 16	18 19	6 3	19 56
11	5 13	18 21	6 24	21 19
12	5 11	18 23	6 48	22 38
13	5 9	18 25	7 17	23 52
14	5 6	18 26	7 52	—
			Unterg.	Aufg.
15	5 4	18 28	0 57	8 37
16	5 2	18 30	1 50	9 30
17	5 0	18 32	2 32	10 31
18	4 58	18 34	3 5	11 36
19	4 56	18 35	3 31	12 43
20	4 53	18 37	3 52	13 52
21	4 51	18 39	4 9	15 1
22	4 49	18 41	4 25	16 10

Meridian und Polhöhe von Berlin.

Datum	SONNE		MOND	
	Unterg.	Aufg.	Unterg.	Aufg.
	h m	h m	h m	h m
Okt. 23	4 47	18 43	4 40	17 20
24	4 45	18 44	4 55	18 32
25	4 43	18 46	5 11	19 46
26	4 41	18 48	5 30	21 2
27	4 39	18 50	5 54	22 18
28	4 37	18 52	6 24	23 31
29	4 35	18 54	7 5	—
			Aufg.	Unterg.
30	4 33	18 56	0 36	7 59
31	4 31	18 58	1 30	9 6
Nov. 1	4 29	19 0	2 12	10 24
2	4 27	19 1	2 43	11 47
3	4 25	19 3	3 8	13 12
4	4 23	19 5	3 29	14 38
5	4 22	19 7	3 48	16 2
6	4 20	19 9	4 6	17 26
7	4 18	19 11	4 25	18 50
8	4 16	19 12	4 47	20 12
9	4 15	19 14	5 13	21 30
10	4 13	19 16	5 45	22 41
11	4 12	19 18	6 26	23 42
12	4 10	19 20	7 16	—
			Unterg.	Aufg.
13	4 8	19 22	0 30	8 15
14	4 7	19 23	1 7	9 20
15	4 5	19 25	1 35	10 27
16	4 4	19 27	1 58	11 35
17	4 3	19 29	2 16	12 44
18	4 1	19 31	2 32	13 53
19	4 0	19 32	2 47	15 3
20	3 59	19 34	3 2	16 14
21	3 57	19 36	3 17	17 28
22	3 56	19 37	3 34	18 44
23	3 55	19 39	3 56	20 2
24	3 54	19 41	4 24	21 19
25	3 53	19 42	5 1	22 29
26	3 52	19 44	5 52	23 28
27	3 51	19 46	6 56	—

Datum	SONNE		MOND	
	Unterg.	Aufg.	Aufg.	Unterg.
	h m	h m	h m	h m
Nov. 28	3 50	19 47	0 14	8 12
29	3 49	19 49	0 49	9 34
30	3 49	19 50	1 15	10 58
Dez. 1	3 48	19 51	1 36	12 21
2	3 47	19 53	1 55	13 44
3	3 47	19 54	2 12	15 6
4	3 46	19 56	2 30	16 27
5	3 45	19 57	2 50	17 48
6	3 45	19 58	3 13	19 7
7	3 45	19 59	3 41	20 22
8	3 44	20 1	4 18	21 28
9	3 44	20 2	5 4	22 22
10	3 44	20 3	5 59	23 5
11	3 44	20 4	7 2	23 37
12	3 44	20 5	8 10	—
			Unterg.	Aufg.
13	3 44	20 6	0 1	9 19
14	3 44	20 7	0 21	10 28
15	3 44	20 8	0 38	11 36
16	3 44	20 8	0 53	12 44
17	3 44	20 9	1 7	13 53
18	3 44	20 10	1 22	15 5
19	3 44	20 10	1 38	16 20
20	3 45	20 11	1 58	17 38
21	3 45	20 11	2 22	18 56
22	3 46	20 12	2 55	20 11
23	3 46	20 12	3 40	21 17
24	3 47	20 13	4 40	22 10
25	3 48	20 13	5 54	22 50
26	3 48	20 13	7 18	23 20
27	3 49	20 13	8 44	23 43
28	3 50	20 14	10 9	—
			Aufg.	Unterg.
29	3 51	20 14	0 2	11 32
30	3 52	20 14	0 20	12 53
31	3 53	20 14	0 37	14 14

Wahrer geozentrischer Ort.

0h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	m s	° ′ ″	′ ″		h m	h m
Jan.	1	18 8 57.67	+6 53.71	−24 32 12.4	− 3 30.0	0.152945	23 30	3 39
	2	18 15 51.38	6 55.43	24 35 42.4	2 9.4	0.154031	23 33	3 39
	3	18 22 46.81	6 57.06	24 37 51.8	− 0 47.5	0.154948	23 36	3 38
	4	18 29 43.87	6 58.58	24 38 39.3	+ 0 35.5	0.155699	23 39	3 38
	5	18 36 42.45	+6 59.99	24 38 3.8	+ 1 59.6	0.156282	23 42	3 38
	6	18 43 42.44	7 1.29	−24 36 4.2	3 24.7	0.156699	23 45	3 38
	7	18 50 43.73	7 2.48	24 32 39.5	4 51.0	0.156950	23 48	3 39
	8	18 57 46.21	7 3.56	24 27 48.5	6 18.1	0.157032	23 51	3 39
	9	19 4 49.77	7 4.52	24 21 30.4	7 46.3	0.156945	23 54	3 40
	10	19 11 54.29	+7 5.38	24 13 44.1	+ 9 15.3	0.156687	23 58	3 41
	11	19 18 59.67	7 6.10	−24 4 28.8	10 45.1	0.156254	0 1	3 42
	12	19 26 5.77	7 6.71	23 53 43.7	12 15.8	0.155644	0 4	3 44
	13	19 33 12.48	7 7.19	23 41 27.9	13 47.1	0.154853	0 7	3 45
	14	19 40 19.67	7 7.54	23 27 40.8	15 19.2	0.153875	0 10	3 47
	15	19 47 27.21	+7 7.74	23 12 21.6	+16 51.8	0.152705	0 13	3 49
	16	19 54 34.95	7 7.81	−22 55 29.8	18 24.9	0.151338	0 17	3 51
	17	20 1 42.76	7 7.72	22 37 4.9	19 58.5	0.149765	0 20	3 53
	18	20 8 50.48	7 7.46	22 17 6.4	21 32.3	0.147979	0 23	3 56
	19	20 15 57.94	7 7.01	21 55 34.1	23 6.2	0.145971	0 26	3 58
	20	20 23 4.95	+7 6.37	21 32 27.9	+24 40.2	0.143731	0 29	4 1
	21	20 30 11.32	7 5.51	−21 7 47.7	26 13.9	0.141248	0 32	4 4
	22	20 37 16.83	7 4.42	20 41 33.8	27 47.3	0.138509	0 36	4 7
	23	20 44 21.25	7 3.05	20 13 46.5	29 20.0	0.135502	0 39	4 10
	24	20 51 24.30	7 1.37	19 44 26.5	30 51.6	0.132212	0 42	4 13
	25	20 58 25.67	+6 59.35	19 13 34.9	+32 22.0	0.128622	0 45	4 16
	26	21 5 25.02	6 56.94	−18 41 12.9	33 50.4	0.124716	0 48	4 20
	27	21 12 21.96	6 54.07	18 7 22.5	35 16.7	0.120475	0 51	4 23
	28	21 19 16.03	6 50.69	17 32 5.8	36 40.0	0.115879	0 54	4 27
	29	21 26 6.72	6 46.71	16 55 25.8	37 59.5	0.110907	0 57	4 31
	30	21 32 53.43	+6 42.03	16 17 26.3	+39 14.7	0.105537	1 0	4 35
	31	21 39 35.46	6 36.57	−15 38 11.6	40 24.5	0.099745	1 2	4 38
Febr.	1	21 46 12.03	6 30.21	14 57 47.1	41 27.6	0.093507	1 5	4 42
	2	21 52 42.24	6 22.80	14 16 19.5	42 23.0	0.086800	1 8	4 46
	3	21 59 5.04	6 14.21	13 33 56.5	43 9.2	0.079600	1 10	4 51
	4	22 5 19.25	+6 4.28	12 50 47.3	+43 44.6	0.071883	1 12	4 55
	5	22 11 23.53	5 52.86	−12 7 2.7	44 7.5	0.063628	1 14	4 59
	6	22 17 16.39	5 39.75	11 22 55.2	44 16.3	0.054817	1 16	5 3
	7	22 22 56.14	5 24.80	10 38 38.9	44 8.9	0.045437	1 18	5 7
	8	22 28 20.94	5 7.86	9 54 30.0	43 43.4	0.035478	1 20	5 11
	9	22 33 28.80		9 10 46.6		0.024940	1 21	5 15

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Febr. 8	22 28 20.94	+5 7.86	−9 54 30.0	+43 43.4	0.035478	1 20	5 11
9	22 33 28.80	4 48.76	9 10 46.6	42 58.0	0.024940	1 21	5 15
10	22 38 17.56	4 27.38	8 27 48.6	41 51.0	0.013830	1 22	5 19
11	22 42 44.94	4 3.66	7 45 57.6	40 20.9	0.002167	1 22	5 23
12	22 46 48.60	+3 37.58	7 5 36.7	+38 26.3	9.989981	1 22	5 26
13	22 50 26.18	3 9.15	−6 27 10.4	36 6.6	9.977317	1 22	5 30
14	22 53 35.33	2 38.51	5 51 3.8	33 21.6	9.964236	1 21	5 33
15	22 56 13.84	2 5.85	5 17 42.2	30 11.3	9.950814	1 20	5 36
16	22 58 19.69	1 31.49	4 47 30.9	26 36.8	9.937144	1 18	5 39
17	22 59 51.18	+0 55.81	4 20 54.1	+22 39.9	9.923337	1 16	5 41
18	23 0 46.99	+0 19.35	−3 58 14.2	18 22.9	9.909520	1 13	5 43
19	23 1 6.34	−0 17.31	3 39 51.3	13 49.4	9.895834	1 9	5 45
20	23 0 49.03	0 53.44	3 26 1.9	9 3.6	9.882432	1 5	5 46
21	22 59 55.59	1 28.26	3 16 58.3	+4 10.6	9.869476	1 0	5 47
22	22 58 27.33	−2 0.95	3 12 47.7	−0 43.6	9.857134	0 55	5 47
23	22 56 26.38	2 30.68	−3 13 31.3	5 32.5	9.845572	0 49	5 47
24	22 53 55.70	2 56.63	3 19 3.8	10 9.1	9.834950	0 42	5 46
25	22 50 59.07	3 18.09	3 29 12.9	14 26.5	9.825414	0 35	5 45
26	22 47 40.98	3 34.50	3 43 39.4	18 18.1	9.817091	0 28	5 44
27	22 44 6.48	−3 45.45	4 1 57.5	−21 38.3	9.810082	0 21	5 43
28	22 40 21.03	3 50.79	−4 23 35.8	24 22.9	9.804459	0 13	5 41
29	22 36 30.24	3 50.57	4 47 58.7	26 29.1	9.800258	0 5	5 39
März 1	22 32 39.67	3 45.06	5 14 27.8	27 55.8	9.797481	23 57	5 36
2	22 28 54.61	3 34.72	5 42 23.6	28 44.0	9.796099	23 49	5 34
3	22 25 19.89	−3 20.16	6 11 7.6	−28 55.9	9.796053	23 42	5 32
4	22 21 59.73	3 2.07	−6 40 3.5	28 34.9	9.797259	23 35	5 29
5	22 18 57.66	2 41.19	7 8 38.4	27 45.0	9.799614	23 28	5 26
6	22 16 16.47	2 18.23	7 36 23.4	26 31.0	9.803003	23 21	5 24
7	22 13 58.24	1 53.87	8 2 54.4	24 57.3	9.807307	23 15	5 21
8	22 12 4.37	−1 28.74	8 27 51.7	−23 8.2	9.812404	23 9	5 19
9	22 10 35.63	1 3.35	−8 50 59.9	21 7.8	9.818174	23 4	5 17
10	22 9 32.28	0 38.11	9 12 7.7	18 59.3	9.824505	22 59	5 15
11	22 8 54.17	−0 13.39	9 31 7.0	16 45.5	9.831296	22 54	5 13
12	22 8 40.78	+0 10.56	9 47 52.5	14 28.9	9.838452	22 50	5 12
13	22 8 51.34	+0 33.55	10 2 21.4	−12 11.4	9.845889	22 46	5 10
14	22 9 24.89	0 55.48	−10 14 32.8	9 54.4	9.853535	22 43	5 9
15	22 10 20.37	1 16.25	10 24 27.2	7 38.6	9.861327	22 40	5 8
16	22 11 36.62	1 35.82	10 32 5.8	5 25.1	9.869211	22 37	5 8
17	22 13 12.44	1 54.21	10 37 30.9	3 14.3	9.877142	22 35	5 7
18	22 15 6.65		10 40 45.2		9.885081	22 33	5 7

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR. h m s	Diff. m s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
März 17	22 13 12.44	+1 54.21	−10 37 30.9	− 3 14.3	9.877142	22 35	5 7
18	22 15 6.65	2 11.44	10 40 45.2	− 1 6.5	9.885081	22 33	5 7
19	22 17 18.09	2 27.53	10 41 51.7	+ 0 57.9	9.892997	22 31	5 7
20	22 19 45.62	2 42.54	10 40 53.8	2 59.0	9.900863	22 29	5 7
21	22 22 28.16	+2 56.52	10 37 54.8	+ 4 56.8	9.908660	22 28	5 7
22	22 25 24.68	3 9.54	−10 32 58.0	6 51.2	9.916371	22 27	5 8
23	22 28 34.22	3 21.66	10 26 6.8	8 42.3	9.923982	22 26	5 8
24	22 31 55.88	3 32.95	10 17 24.5	10 30.4	9.931483	22 26	5 9
25	22 35 28.83	3 43.48	10 6 54.1	12 15.3	9.938866	22 25	5 10
26	22 39 12.31	+3 53.29	9 54 38.8	+13 57.4	9.946127	22 25	5 11
27	22 43 5.60	4 2.45	− 9 40 41.4	15 36.6	9.953260	22 25	5 12
28	22 47 8.05	4 11.02	9 25 4.8	17 13.2	9.960263	22 25	5 14
29	22 51 19.07	4 19.07	9 7 51.6	18 47.2	9.967136	22 26	5 15
30	22 55 38.14	4 26.63	8 49 4.4	20 18.8	9.973878	22 26	5 17
31	23 0 4.77	+4 33.76	8 28 45.6	+21 48.1	9.980488	22 27	5 19
April 1	23 4 38.53	4 40.50	− 8 6 57.5	23 15.2	9.986968	22 27	5 21
2	23 9 19.03	4 46.92	7 43 42.3	24 40.1	9.993319	22 28	5 23
3	23 14 5.95	4 53.04	7 19 2.2	26 3.1	9.999542	22 29	5 25
4	23 18 58.99	4 58.90	6 52 59.1	27 24.2	0.005639	22 30	5 27
5	23 23 57.89	+5 4.56	6 25 34.9	+28 43.4	0.011612	22 31	5 30
6	23 29 2.45	5 10.04	− 5 56 51.5	30 0.7	0.017461	22 32	5 32
7	23 34 12.49	5 15.37	5 26 50.8	31 16.4	0.023189	22 33	5 35
8	23 39 27.86	5 20.60	4 55 34.4	32 30.4	0.028797	22 34	5 38
9	23 44 48.46	5 25.75	4 23 4.0	33 42.8	0.034285	22 36	5 41
10	23 50 14.21	+5 30.85	3 49 21.2	+34 53.5	0.039654	22 37	5 44
11	23 55 45.06	5 35.93	− 3 14 27.7	36 2.6	0.044904	22 39	5 47
12	0 1 20.99	5 41.03	2 38 25.1	37 10.0	0.050036	22 40	5 50
13	0 7 2.02	5 46.15	2 1 15.1	38 15.9	0.055047	22 42	5 53
14	0 12 48.17	5 51.34	1 22 59.2	39 20.0	0.059937	22 44	5 56
15	0 18 39.51	+5 56.62	0 43 39.2	+40 22.5	0.064705	22 46	6 0
16	0 24 36.13	6 2.00	− 0 3 16.7	41 23.1	0.069346	22 48	6 3
17	0 30 38.13	6 7.52	+ 0 38 6.4	42 21.9	0.073858	22 50	6 7
18	0 36 45.65	6 13.19	1 20 28.3	43 18.6	0.078237	22 52	6 11
19	0 42 58.84	6 19.03	2 3 46.9	44 13.2	0.082477	22 54	6 14
20	0 49 17.87	+6 25.07	2 48 0.1	+45 5.4	0.086572	22 57	6 18
21	0 55 42.94	6 31.32	+ 3 33 5.5	45 55.2	0.090515	22 59	6 22
22	1 2 14.26	6 37.77	4 19 0.7	46 42.0	0.094298	23 2	6 26
23	1 8 52.03	6 44.45	5 5 42.7	47 25.7	0.097911	23 5	6 30
24	1 15 36.48	6 51.38	5 53 8.4	48 5.9	0.101343	23 7	6 35
25	1 22 27.86		6 41 14.3		0.104582	23 10	6 39

Wahrer geozentrischer Ort.

0^h Mittl. Zeit		AR. h m s	Diff. m s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
April	24	1 15 36.48	+6 51.38	+ 5 53 8.4	+48 5.9	0.101343	23 7	6 35
	25	1 22 27.86	6 58.53	6 41 14.3	48 42.2	0.104582	23 10	6 39
	26	1 29 26.39	7 5.90	7 29 56.5	49 14.0	0.107614	23 13	6 43
	27	1 36 32.29	7 13.50	8 19 10.5	49 40.8	0.110424	23 16	6 48
	28	1 43 45.79	+7 21.27	9 8 51.3	+50 2.1	0.112995	23 20	6 52
	29	1 51 7.06	7 29.20	+ 9 58 53.4	50 17.0	0.115310	23 23	6 57
	30	1 58 36.26	7 37.25	10 49 10.4	50 24.9	0.117350	23 27	7 1
Mai	1	2 6 13.51	7 45.34	11 39 35.3	50 25.0	0.119093	23 30	7 6
	2	2 13 58.85	7 53.42	12 30 0.3	50 16.4	0.120517	23 34	7 11
	3	2 21 52.27	+8 1.40	13 20 16.7	+49 58.4	0.121600	23 38	7 16
	4	2 29 53.67	8 9.16	+14 10 15.1	49 30.0	0.122320	23 42	7 21
	5	2 38 2.83	8 16.59	14 59 45.1	48 50.6	0.122654	23 46	7 26
	6	2 46 19.42	8 23.58	15 48 35.7	47 59.5	0.122579	23 51	7 31
	7	2 54 43.00	8 29.97	16 36 35.2	46 56.3	0.122075	23 55	7 36
	8	3 3 12.97	+8 35.63	17 23 31.5	+45 40.5	0.121123	0 0	7 41
	9	3 11 48.60	8 40.44	+18 9 12.0	44 12.3	0.119707	0 4	7 46
	10	3 20 29.04	8 44.24	18 53 24.3	42 32.0	0.117815	0 9	7 50
	11	3 29 13.28	8 46.94	19 35 56.3	40 40.0	0.115438	0 14	7 55
	12	3 38 0.22	8 48.45	20 16 36.3	38 37.3	0.112573	0 19	8 0
	13	3 46 48.67	+8 48.70	20 55 13.6	+36 24.9	0.109221	0 24	8 4
	14	3 55 37.37	8 47.66	+21 31 38.5	34 4.4	0.105386	0 28	8 8
	15	4 4 25.03	8 45.31	22 5 42.9	31 37.3	0.101079	0 33	8 12
	16	4 13 10.34	8 41.69	22 37 20.2	29 5.1	0.096316	0 38	8 16
	17	4 21 52.03	8 36.83	23 6 25.3	26 29.4	0.091114	0 43	8 20
	18	4 30 28.86	+8 30.79	23 32 54.7	+23 51.9	0.085493	0 48	8 23
	19	4 38 59.65	8 23.67	+23 56 46.6	21 14.3	0.079477	0 52	8 26
	20	4 47 23.32	8 15.54	24 18 0.9	18 37.6	0.073090	0 57	8 29
	21	4 55 38.86	8 6.48	24 36 38.5	16 3.3	0.066358	1 1	8 32
	22	5 3 45.34	7 56.58	24 52 41.8	13 32.3	0.059306	1 5	8 34
	23	5 11 41.92	+7 45.95	25 6 14.1	+11 5.5	0.051958	1 9	8 36
	24	5 19 27.87	7 34.65	+25 17 19.6	8 43.6	0.044340	1 13	8 37
	25	5 27 2.52	7 22.74	25 26 3.2	6 27.0	0.036475	1 17	8 38
	26	5 34 25.26	7 10.31	25 32 30.2	4 16.3	0.028384	1 20	8 39
	27	5 41 35.57	6 57.38	25 36 46.5	2 11.7	0.020088	1 23	8 40
	28	5 48 32.95	+6 44.02	25 38 58.2	+ 0 13.5	0.011608	1 26	8 40
	29	5 55 16.97	6 30.26	+25 39 11.7	− 1 38.4	0.002961	1 29	8 40
	30	6 1 47.23	6 16.13	25 37 33.3	3 23.7	9.994165	1 32	8 40
	31	6 8 3.36	6 1.64	25 34 9.6	5 2.5	9.985237	1 34	8 40
Juni	1	6 14 5.00	5 46.83	25 29 7.1	6 34.8	9.976192	1 36	8 39
	2	6 19 51.83		25 22 32.3		9.967045	1 38	8 38

Wahrer geozentrischer Ort.

0h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	m s	° ′ ″	′ ″		h m	h m
Juni	1	6 14 5.00	+5 46.83	+25 29 7.1	− 6 34.8	9.976192	1 36	8 39
	2	6 19 51.83	5 31.69	25 22 32.3	8 0.6	9.967045	1 38	8 38
	3	6 25 23.52	5 16.23	25 14 31.7	9 20.0	9.957810	1 39	8 37
	4	6 30 39.75	5 0.46	25 5 11.7	10 33.2	9.948502	1 41	8 36
	5	6 35 40.21	+4 44.37	24 54 38.5	−11 39.9	9.939135	1 42	8 34
	6	6 40 24.58	4 27.96	+24 42 58.6	12 40.5	9.929723	1 43	8 33
	7	6 44 52.54	4 11.23	24 30 18.1	13 35.0	9.920282	1 43	8 31
	8	6 49 3.77	3 54.18	24 16 43.1	14 23.5	9.910827	1 43	8 29
	9	6 52 57.95	3 36.79	24 2 19.6	15 5.9	9.901374	1 43	8 27
	10	6 56 34.74	+3 19.07	23 47 13.7	−15 42.4	9.891940	1 43	8 25
	11	6 59 53.81	3 1.02	+23 31 31.3	16 13.0	9.882545	1 42	8 23
	12	7 2 54.83	2 42.64	23 15 18.3	16 37.9	9.873209	1 41	8 21
	13	7 5 37.47	2 23.96	22 58 40.4	16 56.9	9.863954	1 40	8 19
	14	7 8 1.43	2 4.99	22 41 43.5	17 10.1	9.854805	1 39	8 17
	15	7 10 6.42	+1 45.77	22 24 33.4	−17 17.6	9.845788	1 37	8 15
	16	7 11 52.19	1 26.32	+22 7 15.8	17 19.4	9.836932	1 35	8 13
	17	7 13 18.51	1 6.70	21 49 56.4	17 15.5	9.828270	1 32	8 11
	18	7 14 25.21	0 47.00	21 32 40.9	17 5.8	9.819837	1 29	8 9
	19	7 15 12.21	0 27.30	21 15 35.1	16 50.7	9.811669	1 26	8 7
	20	7 15 39.51	+0 7.68	20 58 44.4	−16 30.0	9.803807	1 23	8 5
	21	7 15 47.19	−0 11.71	+20 42 14.4	16 3.7	9.796295	1 19	8 3
	22	7 15 35.48	0 30.73	20 26 10.7	15 32.0	9.789178	1 15	8 1
	23	7 15 4.75	0 49.21	20 10 38.7	14 54.9	9.782505	1 10	7 59
	24	7 14 15.54	1 6.97	19 55 43.8	14 12.6	9.776327	1 5	7 57
	25	7 13 8.57	−1 23.79	19 41 31.2	−13 25.3	9.770694	1 0	7 56
	26	7 11 44.78	1 39.46	+19 28 5.9	12 33.1	9.765659	0 55	7 54
	27	7 10 5.32	1 53.75	19 15 32.8	11 36.2	9.761274	0 49	7 53
	28	7 8 11.57	2 6.42	19 3 56.6	10 35.0	9.757588	0 44	7 51
	29	7 6 5.15	2 17.24	18 53 21.6	9 29.6	9.754649	0 38	7 50
	30	7 3 47.91	−2 26.00	18 43 52.0	− 8 20.6	9.752500	0 31	7 49
Juli	1	7 1 21.91	2 32.51	+18 35 31.4	7 8.4	9.751179	0 25	7 48
	2	6 58 49.40	2 36.63	18 28 23.0	5 53.5	9.750717	0 18	7 48
	3	6 56 12.77	2 38.21	18 22 29.5	4 36.3	9.751137	0 12	7 47
	4	6 53 34.56	2 37.20	18 17 53.2	3 17.6	9.752455	0 5	7 46
	5	6 50 57.36	−2 33.58	18 14 35.6	− 1 58.0	9.754676	23 59	7 46
	6	6 48 23.78	2 27.37	+18 12 37.6	− 0 38.2	9.757795	23 52	7 46
	7	6 45 56.41	2 18.64	18 11 59.4	+ 0 41.0	9.761800	23 46	7 46
	8	6 43 37.77	2 7.54	18 12 40.4	1 58.9	9.766668	23 40	7 46
	9	6 41 30.23	1 54.20	18 14 39.3	3 14.8	9.772367	23 34	7 46
	10	6 39 36.03		18 17 54.1		9.778860	23 28	7 46

Wahrer geozentrischer Ort.

0^h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	m s	° ′ ″	′ ″		h m	h m
Juli	9	6 41 30.23	−1 54.20	+18 14 39.3	+3 14.8	9.772367	23 34	7 46
	10	6 39 36.03	1 38.82	18 17 54.1	4 27.8	9.778860	23 28	7 46
	11	6 37 57.21	1 21.60	18 22 21.9	5 37.1	9.786102	23 22	7 47
	12	6 36 35.61	1 2.76	18 27 59.0	6 42.1	9.794042	23 17	7 47
	13	6 35 32.85	−0 42.51	18 34 41.1	+7 42.0	9.802627	23 12	7 48
	14	6 34 50.34	−0 21.09	+18 42 23.1	8 36.1	9.811801	23 7	7 49
	15	6 34 29.25	+0 1.31	18 50 59.2	9 23.9	9.821505	23 3	7 50
	16	6 34 30.56	0 24.48	19 0 23.1	10 4.6	9.831680	22 59	7 51
	17	6 34 55.04	0 48.27	19 10 27.7	10 37.9	9.842268	22 55	7 52
	18	6 35 43.31	+1 12.51	19 21 5.6	+11 3.1	9.853212	22 52	7 53
	19	6 36 55.82	1 37.06	+19 32 8.7	11 19.7	9.864455	22 50	7 55
	20	6 38 32.88	2 1.79	19 43 28.4	11 27.3	9.875943	22 47	7 56
	21	6 40 34.67	2 26.59	19 54 55.7	11 25.6	9.887623	22 45	7 57
	22	6 43 1.26	2 51.38	20 6 21.3	11 14.0	9.899444	22 44	7 58
	23	6 45 52.64	+3 16.06	20 17 35.3	+10 52.0	9.911357	22 43	8 0
	24	6 49 8.70	3 40.55	+20 28 27.3	10 19.5	9.923316	22 42	8 1
	25	6 52 49.25	4 4.74	20 38 46.8	9 35.9	9.935274	22 42	8 2
	26	6 56 53.99	4 28.57	20 48 22.7	8 41.1	9.947186	22 42	8 3
	27	7 1 22.56	4 51.94	20 57 3.8	7 34.9	9.959009	22 42	8 4
	28	7 6 14.50	+5 14.73	21 4 38.7	+6 17.0	9.970700	22 43	8 5
	29	7 11 29.23	5 36.83	+21 10 55.7	4 47.5	9.982216	22 44	8 6
	30	7 17 6.06	5 58.09	21 15 43.2	3 6.5	9.993517	22 46	8 6
	31	7 23 4.15	6 18.39	21 18 49.7	+1 14.4	0.004560	22 48	8 7
Aug.	1	7 29 22.54	6 37.55	21 20 4.1	−0 48.2	0.015306	22 51	8 7
	2	7 36 0.09	+6 55.43	21 19 15.9	−3 0.6	0.025717	22 53	8 7
	3	7 42 55.52	7 11.86	+21 16 15.3	5 21.7	0.035755	22 56	8 6
	4	7 50 7.38	7 26.69	21 10 53.6	7 50.1	0.045386	23 0	8 6
	5	7 57 34.07	7 39.77	21 3 3.5	10 24.2	0.054577	23 3	8 5
	6	8 5 13.84	7 51.01	20 52 39.3	13 2.4	0.063301	23 7	8 4
	7	8 13 4.85	+8 0.34	20 39 36.9	−15 42.6	0.071534	23 11	8 2
	8	8 21 5.19	8 7.70	+20 23 54.3	18 22.7	0.079256	23 15	8 0
	9	8 29 12.89	8 13.11	20 5 31.6	21 0.9	0.086456	23 19	7 58
	10	8 37 26.00	8 16.63	19 44 30.7	23 35.6	0.093125	23 23	7 56
	11	8 45 42.63	8 18.35	19 20 55.1	26 4.6	0.099261	23 28	7 53
	12	8 54 0.98	+8 18.40	18 54 50.5	−28 26.6	0.104867	23 32	7 50
	13	9 2 19.38	8 16.93	+18 26 23.9	30 40.5	0.109952	23 36	7 47
	14	9 10 36.31	8 14.14	17 55 43.4	32 45.4	0.114529	23 41	7 44
	15	9 18 50.45	8 10.19	17 22 58.0	34 40.7	0.118613	23 45	7 41
	16	9 27 0.64	8 5.27	16 48 17.3	36 26.2	0.122225	23 49	7 37
	17	9 35 5.91		16 11 51.1		0.125385	23 53	7 33

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR. h m s	Diff. m s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
Aug. 16	9 27 0.64	+8 5.27	+16 48 17.3	−36 26.2	0.122225	23 49	7 37
17	9 35 5.91	7 59.55	16 11 51.1	38 1.8	0.125385	23 53	7 33
18	9 43 5.46	7 53.22	15 33 49.3	39 27.3	0.128115	23 57	7 29
19	9 50 58.68	7 46.43	14 54 22.0	40 43.4	0.130439	0 1	7 25
20	9 58 45.11	+7 39.31	14 13 38.6	−41 50.5	0.132381	0 5	7 21
21	10 6 24.42	7 31.97	+13 31 48.1	42 48.8	0.133963	0 9	7 17
22	10 13 56.39	7 24.53	12 48 59.3	43 39.0	0.135207	0 13	7 13
23	10 21 20.92	7 17.06	12 5 20.3	44 21.7	0.136135	0 16	7 9
24	10 28 37.98	7 9.63	11 20 58.6	44 57.5	0.136766	0 19	7 4
25	10 35 47.61	+7 2.31	10 36 1.1	−45 26.7	0.137119	0 23	7 0
26	10 42 49.92	6 55.14	+ 9 50 34.4	45 50.1	0.137211	0 26	6 56
27	10 49 45.06	6 48.14	9 4 44.3	46 8.0	0.137058	0 29	6 52
28	10 56 33.20	6 41.35	8 18 36.3	46 21.0	0.136674	0 31	6 48
29	11 3 14.55	6 34.78	7 32 15.3	46 29.6	0.136072	0 34	6 43
30	11 9 49.33	+6 28.43	6 45 45.7	−46 33.9	0.135263	0 37	6 39
31	11 16 17.76	6 22.32	+ 5 59 11.8	46 34.4	0.134258	0 39	6 35
Sept. 1	11 22 40.08	6 16.46	5 12 37.4	46 31.5	0.133066	0 42	6 31
2	11 28 56.54	6 10.83	4 26 5.9	46 25.5	0.131695	0 44	6 27
3	11 35 7.37	6 5.43	3 39 40.4	46 16.5	0.130152	0 46	6 23
4	11 41 12.80	+6 0.26	2 53 23.9	−46 4.8	0.128443	0 49	6 19
5	11 47 13.06	5 55.31	+ 2 7 19.1	45 50.6	0.126572	0 51	6 15
6	11 53 8.37	5 50.56	1 21 28.5	45 34.0	0.124545	0 53	6 11
7	11 58 58.93	5 46.01	+ 0 35 54.5	45 15.4	0.122364	0 55	6 7
8	12 4 44.94	5 41.65	− 0 9 20.9	44 54.6	0.120032	0 56	6 3
9	12 10 26.59	+5 37.47	0 54 15.5	−44 31.9	0.117552	0 58	5 59
10	12 16 4.06	5 33.44	− 1 38 47.4	44 7.4	0.114924	1 0	5 55
11	12 21 37.50	5 29.54	2 22 54.8	43 41.1	0.112149	1 1	5 51
12	12 27 7.04	5 25.78	3 6 35.9	43 13.1	0.109227	1 3	5 47
13	12 32 32.82	5 22.13	3 49 49.0	42 43.4	0.106157	1 5	5 44
14	12 37 54.95	+5 18.58	4 32 32.4	−42 12.1	0.102939	1 6	5 40
15	12 43 13.53	5 15.10	− 5 14 44.5	41 39.3	0.099571	1 7	5 36
16	12 48 28.63	5 11.66	5 56 23.8	41 4.7	0.096050	1 9	5 33
17	12 53 40.29	5 8.27	6 37 28.5	40 28.4	0.092374	1 10	5 29
18	12 58 48.56	5 4.87	7 17 56.9	39 50.5	0.088540	1 11	5 25
19	13 3 53.43	+5 1.46	7 57 47.4	−39 10.9	0.084544	1 12	5 22
20	13 8 54.89	4 58.00	− 8 36 58.3	38 29.5	0.080382	1 13	5 18
21	13 13 52.89	4 54.47	9 15 27.8	37 46.2	0.076050	1 14	5 15
22	13 18 47.36	4 50.84	9 53 14.0	37 1.0	0.071543	1 15	5 11
23	13 23 38.20	4 47.07	10 30 15.0	36 13.7	0.066856	1 16	5 8
24	13 28 25.27		11 6 28.7		0.061983	1 17	5 5

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Sept. 23	13 23 38.20	+4 47.07	−10 30 15.0	−36 13.7	0.066856	1 16	5 8
24	13 28 25.27	4 43.13	11 6 28.7	35 24.2	0.061983	1 17	5 5
25	13 33 8.40	4 38.96	11 41 52.9	34 32.5	0.056919	1 18	5 1
26	13 37 47.36	4 34.54	12 16 25.4	33 38.3	0.051658	1 18	4 58
27	13 42 21.90	+4 29.81	12 50 3.7	−32 41.3	0.046193	1 19	4 55
28	13 46 51.71	4 24.71	−13 22 45.0	31 41.5	0.040518	1 20	4 52
29	13 51 16.42	4 19.19	13 54 26.5	30 38.7	0.034626	1 20	4 49
30	13 55 35.61	4 13.19	14 25 5.2	29 32.5	0.028510	1 20	4 46
Okt. 1	13 59 48.80	4 6.61	14 54 37.7	28 22.4	0.022164	1 21	4 43
2	14 3 55.41	+3 59.38	15 23 0.1	−27 8.3	0.015582	1 21	4 40
3	14 7 54.79	3 51.44	−15 50 8.4	25 49.8	0.008757	1 21	4 37
4	14 11 46.23	3 42.67	16 15 58.2	24 26.4	0.001685	1 21	4 35
5	14 15 28.90	3 32.97	16 40 24.6	22 57.5	9.994360	1 21	4 32
6	14 19 1.87	3 22.22	17 3 22.1	21 22.5	9.986780	1 20	4 30
7	14 22 24.09	+3 10.30	17 24 44.6	−19 40.9	9.978944	1 20	4 28
8	14 25 34.39	2 57.08	−17 44 25.5	17 51.8	9.970852	1 19	4 26
9	14 28 31.47	2 42.45	18 2 17.3	15 54.4	9.962508	1 18	4 24
10	14 31 13.92	2 26.24	18 18 11.7	13 47.9	9.953919	1 17	4 22
11	14 33 40.16	2 8.33	18 31 59.6	11 31.0	9.945099	1 15	4 21
12	14 35 48.49	+1 48.58	18 43 30.6	− 9 2.9	9.936065	1 13	4 19
13	14 37 37.07	1 26.89	−18 52 33.5	6 22.3	9.926843	1 11	4 18
14	14 39 3.96	1 3.18	18 58 55.8	3 28.1	9.917469	1 9	4 18
15	14 40 7.14	0 37.41	19 2 23.9	− 0 19.2	9.907988	1 6	4 17
16	14 40 44.55	+0 9.63	19 2 43.1	+ 3 5.2	9.898462	1 2	4 17
17	14 40 54.18	−0 20.03	18 59 37.9	+ 6 45.4	9.888965	0 58	4 18
18	14 40 34.15	0 51.29	−18 52 52.5	10 41.2	9.879592	0 54	4 18
19	14 39 42.86	1 23.72	18 42 11.3	14 51.3	9.870457	0 50	4 19
20	14 38 19.14	1 56.72	18 27 20.0	19 13.3	9.861698	0 44	4 21
21	14 36 22.42	2 29.42	18 8 6.7	23 42.7	9.853473	0 38	4 23
22	14 33 53.00	−3 0.79	17 44 24.0	+28 12.9	9.845963	0 32	4 26
23	14 30 52.21	3 29.57	−17 16 11.1	32 35.1	9.839365	0 25	4 29
24	14 27 22.64	3 54.37	16 43 36.0	36 38.1	9.833887	0 18	4 32
25	14 23 28.27	4 13.79	16 6 57.9	40 9.0	9.829738	0 10	4 36
26	14 19 14.48	4 26.52	15 26 48.9	42 54.1	9.827111	0 2	4 40
27	14 14 47.96	−4 31.50	14 43 54.8	+44 40.6	9.826173	23 53	4 44
28	14 10 16.46	4 28.08	−13 59 14.2	45 18.1	9.827044	23 45	4 48
29	14 5 48.38	4 16.14	13 13 56.1	44 40.4	9.829785	23 36	4 53
30	14 1 32.24	3 56.09	12 29 15.7	42 46.7	9.834391	23 28	4 57
31	13 57 36.15	3 28.84	11 46 29.0	39 41.6	9.840784	23 20	5 1
Nov. 1	13 54 7.31		11 6 47.4		9.848823	23 13	5 4

Wahrer geozentrischer Ort.

0h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	m s	° ′ ″	′ ″		h m	h m
Okt.	31	13 57 36.15	−3 28.84	−11 46 29.0	+39 41.6	9.840784	23 20	5 1
Nov.	1	13 54 7.31	2 55.68	11 6 47.4	35 34.7	9.848823	23 13	5 4
	2	13 51 11.63	2 18.16	10 31 12.7	30 39.2	9.858315	23 6	5 8
	3	13 48 53.47	1 37.86	10 0 33.5	25 9.8	9.869030	23 0	5 11
	4	13 47 15.61	−0 56.33	9 35 23.7	+19 21.8	9.880716	22 54	5 13
	5	13 46 19.28	−0 14.92	−9 16 1.9	13 28.8	9.893121	22 49	5 15
	6	13 46 4.36	+0 25.30	9 2 33.1	7 42.4	9.906004	22 45	5 16
	7	13 46 29.66	1 3.51	8 54 50.7	+2 11.7	9.919145	22 42	5 17
	8	13 47 33.17	1 39.14	8 52 39.0	−2 56.5	9.932352	22 39	5 17
	9	13 49 12.31	+2 11.86	8 55 35.5	−7 38.4	9.945463	22 36	5 16
	10	13 51 24.17	2 41.55	−9 3 13.9	11 51.7	9.958348	22 35	5 16
	11	13 54 5.72	3 8.19	9 15 5.6	15 35.6	9.970903	22 33	5 15
	12	13 57 13.91	3 31.91	9 30 41.2	18 50.8	9.983054	22 32	5 13
	13	14 0 45.82	3 52.90	9 49 32.0	21 38.5	9.994745	22 32	5 12
	14	14 4 38.72	+4 11.39	10 11 10.5	−24 0.6	0.005942	22 32	5 10
	15	14 8 50.11	4 27.60	−10 35 11.1	25 58.9	0.016625	22 32	5 7
	16	14 13 17.71	4 41.80	11 1 10.0	27 35.9	0.026786	22 33	5 5
	17	14 17 59.51	4 54.22	11 28 45.9	28 53.6	0.036424	22 34	5 2
	18	14 22 53.73	5 5.10	11 57 39.5	29 54.1	0.045548	22 35	5 0
	19	14 27 58.83	+5 14.64	12 27 33.6	−30 39.6	0.054171	22 36	4 57
	20	14 33 13.47	5 23.02	−12 58 13.2	31 11.3	0.062310	22 37	4 54
	21	14 38 36.49	5 30.41	13 29 24.5	31 31.3	0.069982	22 38	4 51
	22	14 44 6.90	5 36.96	14 0 55.8	31 40.9	0.077206	22 40	4 48
	23	14 49 43.86	5 42.78	14 32 36.7	31 41.2	0.084003	22 42	4 45
	24	14 55 26.64	+5 48.01	15 4 17.9	−31 33.5	0.090394	22 43	4 42
	25	15 1 14.65	5 52.72	−15 35 51.4	31 18.7	0.096397	22 45	4 39
	26	15 7 7.37	5 56.99	16 7 10.1	30 57.6	0.102032	22 47	4 36
	27	15 13 4.36	6 0.92	16 38 7.7	30 31.0	0.107318	22 49	4 32
	28	15 19 5.28	6 4.54	17 8 38.7	29 59.4	0.112272	22 51	4 29
	29	15 25 9.82	+6 7.90	17 38 38.1	−29 23.5	0.116910	22 53	4 26
	30	15 31 17.72	6 11.06	−18 8 1.6	28 43.6	0.121248	22 56	4 23
Dez.	1	15 37 28.78	6 14.05	18 36 45.2	28 0.3	0.125300	22 58	4 20
	2	15 43 42.83	6 16.89	19 4 45.5	27 13.8	0.129080	23 0	4 17
	3	15 49 59.72	6 19.61	19 31 59.3	26 24.3	0.132599	23 2	4 14
	4	15 56 19.33	+6 22.24	19 58 23.6	−25 32.3	0.135870	23 5	4 11
	5	16 2 41.57	6 24.78	−20 23 55.9	24 37.8	0.138902	23 7	4 8
	6	16 9 6.35	6 27.25	20 48 33.7	23 41.0	0.141705	23 10	4 6
	7	16 15 33.60	6 29.65	21 12 14.7	22 42.2	0.144288	23 12	4 3
	8	16 22 3.25	6 32.01	21 34 56.9	21 41.4	0.146659	23 15	4 0
	9	16 28 35.26		21 56 38.3		0.148824	23 17	3 58

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Dez. 8	16 22 3.25	+6 32.01	−21 34 56.9	−21 41.4	0.146659	23 15	4 0
9	16 28 35.26	6 34.32	21 56 38.3	20 38.7	0.148824	23 17	3 58
10	16 35 9.58	6 36.59	22 17 17.0	19 34.2	0.150790	23 20	3 56
11	16 41 46.17	6 38.80	22 36 51.2	18 28.1	0.152563	23 23	3 53
12	16 48 24.97	+6 40.98	22 55 19.3	−17 20.2	0.154148	23 25	3 51
13	16 55 5.95	6 43.10	−23 12 39.5	16 10.8	0.155549	23 28	3 49
14	17 1 49.05	6 45.19	23 28 50.3	14 59.9	0.156770	23 31	3 47
15	17 8 34.24	6 47.22	23 43 50.2	13 47.4	0.157814	23 34	3 45
16	17 15 21.46	6 49.21	23 57 37.6	12 33.5	0.158683	23 37	3 43
17	17 22 10.67	+6 51.13	24 10 11.1	−11 18.2	0.159381	23 40	3 42
18	17 29 1.80	6 52.98	−24 21 29.3	10 1.5	0.159907	23 42	3 40
19	17 35 54.78	6 54.77	24 31 30.8	8 43.4	0.160264	23 45	3 39
20	17 42 49.55	6 56.49	24 40 14.2	7 23.9	0.160451	23 48	3 38
21	17 49 46.04	6 58.12	24 47 38.1	6 3.2	0.160469	23 51	3 37
22	17 56 44.16	+6 59.65	24 53 41.3	− 4 41.1	0.160317	23 54	3 36
23	18 3 43.81	7 1.09	−24 58 22.4	3 17.8	0.159994	23 57	3 36
24	18 10 44.90	7 2.43	25 1 40.2	1 53.3	0.159499	0 0	3 35
25	18 17 47.33	7 3.65	25 3 33.5	− 0 27.6	0.158828	0 4	3 35
26	18 24 50.98	7 4.74	25 4 1.1	+ 0 59.3	0.157980	0 7	3 35
27	18 31 55.72	+7 5.70	25 3 1.8	+ 2 27.3	0.156952	0 10	3 35
28	18 39 1.42	7 6.52	−25 0 34.5	3 56.4	0.155738	0 13	3 35
29	18 46 7.94	7 7.18	24 56 38.1	5 26.4	0.154335	0 16	3 36
30	18 53 15.12	7 7.68	24 51 11.7	6 57.3	0.152737	0 19	3 36
31	19 0 22.80	7 7.99	24 44 14.4	8 29.2	0.150939	0 22	3 37
32	19 7 30.79	+7 8.11	24 35 45.2	+10 1.9	0.148933	0 26	3 38
33	19 14 38.90		−24 25 43.3		0.146712	0 29	3 40

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ' "	' "		h m	h m
Jan. 1	20 36 42.83	+5 7.47	−20 20 10.4	+18 38.9	0.163032	1 58	4 9
2	20 41 50.30	5 6.13	20 1 31.5	19 13.1	0.161701	1 59	4 11
3	20 46 56.43	5 4.77	19 42 18.4	19 46.5	0.160356	2 0	4 12
4	20 52 1.20	5 3.41	19 22 31.9	20 19.1	0.158996	2 1	4 15
5	20 57 4.61	+5 2.02	19 2 12.8	+20 51.2	0.157621	2 2	4 17
6	21 2 6.63	5 0.62	−18 41 21.6	21 22.5	0.156231	2 4	4 20
7	21 7 7.25	4 59.22	18 19 59.1	21 53.0	0.154826	2 5	4 22
8	21 12 6.47	4 57.82	17 58 6.1	22 22.7	0.153406	2 6	4 24
9	21 17 4.29	4 56.41	17 35 43.4	22 51.6	0.151971	2 7	4 26
10	21 22 0.70	+4 55.01	17 12 51.8	+23 19.7	0.150520	2 8	4 29
11	21 26 55.71	4 53.62	−16 49 32.1	23 47.1	0.149054	2 9	4 32
12	21 31 49.33	4 52.24	16 25 45.0	24 13.6	0.147572	2 10	4 34
13	21 36 41.57	4 50.86	16 1 31.4	24 39.4	0.146074	2 11	4 36
14	21 41 32.43	4 49.50	15 36 52.0	25 4.4	0.144561	2 11	4 39
15	21 46 21.93	+4 48.16	15 11 47.6	+25 28.5	0.143032	2 12	4 41
16	21 51 10.09	4 46.83	−14 46 19.1	25 51.9	0.141487	2 13	4 44
17	21 55 56.92	4 45.52	14 20 27.2	26 14.5	0.139927	2 14	4 46
18	22 0 42.44	4 44.25	13 54 12.7	26 36.3	0.138350	2 15	4 49
19	22 5 26.69	4 42.98	13 27 36.4	26 57.2	0.136757	2 16	4 51
20	22 10 9.67	+4 41.74	13 0 39.2	+27 17.5	0.135147	2 16	4 54
21	22 14 51.41	4 40.53	−12 33 21.7	27 36.9	0.133521	2 17	4 56
22	22 19 31.94	4 39.36	12 5 44.8	27 55.5	0.131879	2 18	4 59
23	22 24 11.30	4 38.21	11 37 49.3	28 13.4	0.130219	2 19	5 2
24	22 28 49.51	4 37.08	11 9 35.9	28 30.5	0.128542	2 19	5 4
25	22 33 26.59	+4 35.99	10 41 5.4	+28 46.8	0.126848	2 20	5 7
26	22 38 2.58	4 34.94	−10 12 18.6	29 2.3	0.125137	2 21	5 10
27	22 42 37.52	4 33.92	9 43 16.3	29 17.1	0.123407	2 21	5 12
28	22 47 11.44	4 32.92	9 13 59.2	29 31.1	0.121660	2 22	5 15
29	22 51 44.36	4 31.97	8 44 28.1	29 44.4	0.119894	2 22	5 17
30	22 56 16.33	+4 31.04	8 14 43.7	+29 56.8	0.118110	2 23	5 20
31	23 0 47.37	4 30.16	− 7 44 46.9	30 8.5	0.116306	2 24	5 23
Febr. 1	23 5 17.53	4 29.30	7 14 38.4	30 19.5	0.114483	2 24	5 26
2	23 9 46.83	4 28.48	6 44 18.9	30 29.7	0.112640	2 25	5 28
3	23 14 15.31	4 27.69	6 13 49.2	30 39.1	0.110778	2 25	5 31
4	23 18 43.00	+4 26.92	5 43 10.1	+30 47.6	0.108895	2 26	5 34
5	23 23 9.92	4 26.19	− 5 12 22.5	30 55.5	0.106991	2 26	5 36
6	23 27 36.11	4 25.50	4 41 27.0	31 2.6	0.105066	2 27	5 39
7	23 32 1.61	4 24.85	4 10 24.4	31 8.9	0.103120	2 27	5 42
8	23 36 26.46	4 24.22	3 39 15.5	31 14.4	0.101154	2 28	5 45
9	23 40 50.68		3 8 1.1		0.099166	2 28	5 47

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Febr. 8	23 36 26.46	+4 24.22	− 3 39 15.5	+31 14.4	0.101154	2 28	5 45
9	23 40 50.68	4 23.63	3 8 1.1	31 19.2	0.099166	2 28	5 47
10	23 45 14.31	4 23.09	2 36 41.9	31 23.3	0.097156	2 29	5 50
11	23 49 37.40	4 22.58	2 5 18.6	31 26.5	0.095124	2 29	5 53
12	23 53 59.98	+4 22.10	1 33 52.1	+31 29.1	0.093071	2 30	5 56
13	23 58 22.08	4 21.66	− 1 2 23.0	31 31.0	0.090996	2 30	5 58
14	0 2 43.74	4 21.26	− 0 30 52.0	31 32.2	0.088898	2 30	6 1
15	0 7 5.00	4 20.91	+ 0 0 40.2	31 32.5	0.086777	2 31	6 4
16	0 11 25.91	4 20.58	0 32 12.7	31 32.1	0.084634	2 31	6 6
17	0 15 46.49	+4 20.30	1 3 44.8	+31 31.1	0.082468	2 32	6 9
18	0 20 6.79	4 20.06	+ 1 35 15.9	31 29.3	0.080278	2 32	6 12
19	0 24 26.85	4 19.84	2 6 45.2	31 26.9	0.078065	2 32	6 15
20	0 28 46.69	4 19.67	2 38 12.1	31 23.8	0.075828	2 33	6 17
21	0 33 6.36	4 19.55	3 9 35.9	31 19.9	0.073567	2 33	6 20
22	0 37 25.91	+4 19.46	3 40 55.8	+31 15.4	0.071282	2 34	6 23
23	0 41 45.37	4 19.40	+ 4 12 11.2	31 10.2	0.068972	2 34	6 26
24	0 46 4.77	4 19.38	4 43 21.4	31 4.2	0.066637	2 34	6 28
25	0 50 24.15	4 19.40	5 14 25.6	30 57.6	0.064277	2 35	6 31
26	0 54 43.55	4 19.45	5 45 23.2	30 50.4	0.061891	2 35	6 34
27	0 59 3.00	+4 19.53	6 16 13.6	+30 42.4	0.059479	2 35	6 37
28	1 3 22.53	4 19.64	+ 6 46 56.0	30 33.6	0.057040	2 36	6 39
29	1 7 42.17	4 19.79	7 17 29.6	30 24.3	0.054574	2 36	6 42
März 1	1 12 1.96	4 19.97	7 47 53.9	30 14.2	0.052080	2 37	6 45
2	1 16 21.93	4 20.16	8 18 8.1	30 3.5	0.049558	2 37	6 47
3	1 20 42.09	+4 20.39	8 48 11.6	+29 52.1	0.047007	2 37	6 50
4	1 25 2.48	4 20.63	+ 9 18 3.7	29 39.9	0.044428	2 38	6 53
5	1 29 23.11	4 20.90	9 47 43.6	29 27.0	0.041819	2 38	6 56
6	1 33 44.01	4 21.18	10 17 10.6	29 13.3	0.039180	2 39	6 58
7	1 38 5.19	4 21.49	10 46 23.9	28 59.0	0.036511	2 39	7 1
8	1 42 26.68	+4 21.81	11 15 22.9	+28 43.9	0.033811	2 39	7 4
9	1 46 48.49	4 22.16	+11 44 6.8	28 28.2	0.031080	2 40	7 7
10	1 51 10.65	4 22.52	12 12 35.0	28 11.9	0.028318	2 40	7 9
11	1 55 33.17	4 22.89	12 40 46.9	27 54.7	0.025524	2 41	7 12
12	1 59 56.06	4 23.27	13 8 41.6	27 36.9	0.022698	2 41	7 15
13	2 4 19.33	+4 23.68	13 36 18.5	+27 18.5	0.019840	2 42	7 17
14	2 8 43.01	4 24.09	+14 3 37.0	26 59.4	0.016950	2 42	7 20
15	2 13 7.10	4 24.52	14 30 36.4	26 39.5	0.014026	2 43	7 23
16	2 17 31.62	4 24.95	14 57 15.9	26 19.0	0.011069	2 43	7 26
17	2 21 56.57	4 25.39	15 23 34.9	25 58.0	0.008078	2 43	7 28
18	2 26 21.96		15 49 32.9		0.005053	2 44	7 31

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
März 17	2 21 56.57	+4 25.39	+15 23 34.9	+25 58.0	0.008078	2 43	7 28
18	2 26 21.96	4 25.84	15 49 32.9	25 36.3	0.005053	2 44	7 31
19	2 30 47.80	4 26.29	16 15 9.2	25 14.0	0.001994	2 44	7 33
20	2 35 14.09	4 26.75	16 40 23.2	24 51.0	9.998900	2 45	7 36
21	2 39 40.84	+4 27.21	17 5 14.2	+24 27.4	9.995770	2 45	7 39
22	2 44 8.05	4 27.66	+17 29 41.6	24 3.2	9.992605	2 46	7 42
23	2 48 35.71	4 28.11	17 53 44.8	23 38.5	9.989404	2 46	7 44
24	2 53 3.82	4 28.56	18 17 23.3	23 13.2	9.986166	2 47	7 46
25	2 57 32.38	4 29.00	18 40 36.5	22 47.3	9.982891	2 48	7 49
26	3 2 1.38	+4 29.43	19 3 23.8	+22 20.8	9.979578	2 48	7 51
27	3 6 30.81	4 29.85	+19 25 44.6	21 53.8	9.976227	2 49	7 54
28	3 11 0.66	4 30.25	19 47 38.4	21 26.2	9.972837	2 49	7 56
29	3 15 30.91	4 30.62	20 9 4.6	20 58.1	9.969407	2 50	7 59
30	3 20 1.53	4 30.97	20 30 2.7	20 29.5	9.965937	2 50	8 2
31	3 24 32.50	+4 31.28	20 50 32.2	+20 0.3	9.962426	2 51	8 4
April 1	3 29 3.78	4 31.57	+21 10 32.5	19 30.7	9.958872	2 51	8 6
2	3 33 35.35	4 31.82	21 30 3.2	19 0.5	9.955276	2 52	8 8
3	3 38 7.17	4 32.02	21 49 3.7	18 29.8	9.951637	2 53	8 10
4	3 42 39.19	4 32.17	22 7 33.5	17 58.7	9.947954	2 53	8 13
5	3 47 11.36	+4 32.28	22 25 32.2	+17 27.1	9.944227	2 54	8 15
6	3 51 43.64	4 32.33	+22 42 59.3	16 55.1	9.940455	2 54	8 17
7	3 56 15.97	4 32.34	22 59 54.4	16 22.6	9.936637	2 55	8 19
8	4 0 48.31	4 32.29	23 16 17.0	15 49.8	9.932773	2 56	8 21
9	4 5 20.60	4 32.17	23 32 6.8	15 16.7	9.928863	2 56	8 23
10	4 9 52.77	+4 32.00	23 47 23.5	+14 43.1	9.924905	2 57	8 25
11	4 14 24.77	4 31.77	+24 2 6.6	14 9.3	9.920899	2 57	8 27
12	4 18 56.54	4 31.46	24 16 15.9	13 35.3	9.916845	2 58	8 29
13	4 23 28.00	4 31.08	24 29 51.2	13 1.0	9.912743	2 59	8 31
14	4 27 59.08	4 30.63	24 42 52.2	12 26.4	9.908591	2 59	8 33
15	4 32 29.71	+4 30.10	24 55 18.6	+11 51.6	9.904389	3 0	8 34
16	4 36 59.81	4 29.50	+25 7 10.2	11 16.7	9.900137	3 0	8 36
17	4 41 29.31	4 28.82	25 18 26.9	10 41.7	9.895834	3 1	8 37
18	4 45 58.13	4 28.05	25 29 8.6	10 6.5	9.891479	3 1	8 39
19	4 50 26.18	4 27.21	25 39 15.1	9 31.3	9.887073	3 2	8 40
20	4 54 53.39	+4 26.28	25 48 46.4	+ 8 56.1	9.882614	3 2	8 42
21	4 59 19.67	4 25.26	+25 57 42.5	8 20.8	9.878102	3 3	8 43
22	5 3 44.93	4 24.15	26 6 3.3	7 45.6	9.873536	3 3	8 44
23	5 8 9.08	4 22.95	26 13 48.9	7 10.5	9.868916	3 4	8 45
24	5 12 32.03	4 21.65	26 20 59.4	6 35.5	9.864240	3 4	8 46
25	5 16 53.68		26 27 34.9		9.859508	3 5	8 47

Wahrer geozentrischer Ort.

0h Mittl. Zeit		AR. h m s	Diff. m s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tagbogen h m
April	24	5 12 32.03	+4 21.65	+26 20 59.4	+6 35.5	9.864240	3 4	8 46
	25	5 16 53.68	4 20.25	26 27 34.9	6 0.5	9.859508	3 5	8 47
	26	5 21 13.93	4 18.75	26 33 35.4	5 25.7	9.854719	3 5	8 48
	27	5 25 32.68	4 17.13	26 39 1.1	4 51.2	9.849873	3 5	8 49
	28	5 29 49.81	+4 15.40	26 43 52.3	+4 16.9	9.844968	3 6	8 50
	29	5 34 5.21	4 13.55	+26 48 9.2	3 42.6	9.840003	3 6	8 50
	30	5 38 18.76	4 11.59	26 51 51.8	3 8.7	9.834978	3 6	8 51
Mai	1	5 42 30.35	4 9.49	26 55 0.5	2 35.2	9.829891	3 7	8 51
	2	5 46 39.84	4 7.27	26 57 35.7	2 2.1	9.824742	3 7	8 52
	3	5 50 47.11	+4 4.90	26 59 37.8	+1 29.2	9.819532	3 7	8 52
	4	5 54 52.01	4 2.41	+27 1 7.0	0 56.7	9.814258	3 7	8 52
	5	5 58 54.42	3 59.79	27 2 3.7	+0 24.6	9.808920	3 7	8 52
	6	6 2 54.21	3 57.01	27 2 28.3	−0 6.9	9.803518	3 7	8 52
	7	6 6 51.22	3 54.09	27 2 21.4	0 37.9	9.798051	3 7	8 52
	8	6 10 45.31	+3 51.03	27 1 43.5	−1 8.5	9.792518	3 7	8 52
	9	6 14 36.34	3 47.83	+27 0 35.0	1 38.4	9.786920	3 7	8 52
	10	6 18 24.17	3 44.47	26 58 56.6	2 7.8	9.781256	3 7	8 52
	11	6 22 8.64	3 40.96	26 56 48.8	2 36.4	9.775526	3 7	8 52
	12	6 25 49.60	3 37.29	26 54 12.4	3 4.6	9.769730	3 7	8 51
	13	6 29 26.89	+3 33.47	26 51 7.8	−3 32.0	9.763867	3 6	8 51
	14	6 33 0.36	3 29.49	+26 47 35.8	3 58.6	9.757939	3 6	8 50
	15	6 36 29.85	3 25.35	26 43 37.2	4 24.5	9.751945	3 5	8 50
	16	6 39 55.20	3 21.05	26 39 12.7	4 49.7	9.745886	3 5	8 49
	17	6 43 16.25	3 16.58	26 34 23.0	5 14.2	9.739762	3 4	8 48
	18	6 46 32.83	+3 11.96	26 29 8.8	−5 37.8	9.733573	3 4	8 47
	19	6 49 44.79	3 7.17	+26 23 31.0	6 0.5	9.727320	3 3	8 47
	20	6 52 51.96	3 2.21	26 17 30.5	6 22.5	9.721005	3 2	8 46
	21	6 55 54.17	2 57.06	26 11 8.0	6 43.6	9.714628	3 1	8 45
	22	6 58 51.23	2 51.75	26 4 24.4	7 3.7	9.708189	3 0	8 44
	23	7 1 42.98	+2 46.25	25 57 20.7	−7 23.0	9.701690	2 59	8 43
	24	7 4 29.23	2 40.55	+25 49 57.7	7 41.4	9.695132	2 58	8 42
	25	7 7 9.78	2 34.65	25 42 16.3	7 58.9	9.688517	2 57	8 41
	26	7 9 44.43	2 28.56	25 34 17.4	8 15.5	9.681846	2 55	8 40
	27	7 12 12.99	2 22.25	25 26 1.9	8 31.2	9.675121	2 54	8 39
	28	7 14 35.24	+2 15.72	25 17 30.7	−8 45.9	9.668345	2 52	8 37
	29	7 16 50.96	2 8.95	+25 8 44.8	8 59.6	9.661520	2 51	8 36
	30	7 18 59.91	2 1.96	24 59 45.2	9 12.4	9.654650	2 49	8 35
	31	7 21 1.87	1 54.72	24 50 32.8	9 24.3	9.647737	2 47	8 34
Juni	1	7 22 56.59	1 47.26	24 41 8.5	9 35.3	9.640787	2 45	8 33
	2	7 24 43.85		24 31 33.2		9.633804	2 43	8 31

Wahrer geozentrischer Ort.

0^h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	m s	° ′ ″	′ ″		h m	h m
Juni	1	7 22 56.59	+1 47.26	+24 41 8.5	− 9 35.3	9.640787	2 45	8 33
	2	7 24 43.85	1 39.54	24 31 33.2	9 45.3	9.633804	2 43	8 31
	3	7 26 23.39	1 31.58	24 21 47.9	9 54.4	9.626793	2 40	8 30
	4	7 27 54.97	1 23.37	24 11 53.5	10 2.5	9.619760	2 38	8 28
	5	7 29 18.34	+1 14.91	24 1 51.0	−10 9.8	9.612712	2 35	8 27
	6	7 30 33.25	1 6.20	+23 51 41.2	10 16.3	9.605657	2 33	8 26
	7	7 31 39.45	0 57.26	23 41 24.9	10 22.1	9.598602	2 30	8 24
	8	7 32 36.71	0 48.09	23 31 2.8	10 26.8	9.591558	2 27	8 23
	9	7 33 24.80	0 38.69	23 20 36.0	10 30.7	9.584534	2 24	8 22
	10	7 34 3.49	+0 29.07	23 10 5.3	−10 34.0	9.577541	2 20	8 20
	11	7 34 32.56	0 19.27	+22 59 31.3	10 36.5	9.570591	2 17	8 19
	12	7 34 51.83	+0 9.29	22 48 54.8	10 38.3	9.563698	2 13	8 18
	13	7 35 1.12	−0 0.82	22 38 16.5	10 39.5	9.556876	2 10	8 17
	14	7 35 0.30	0 11.06	22 27 37.0	10 40.2	9.550140	2 6	8 15
	15	7 34 49.24	−0 21.38	22 16 56.8	−10 40.5	9.543506	2 2	8 14
	16	7 34 27.86	0 31.74	+22 6 16.3	10 40.1	9.536992	1 57	8 13
	17	7 33 56.12	0 42.09	21 55 36.2	10 39.3	9.530616	1 53	8 11
	18	7 33 14.03	0 52.41	21 44 56.9	10 37.9	9.524396	1 48	8 10
	19	7 32 21.62	1 2.64	21 34 19.0	10 36.2	9.518352	1 43	8 9
	20	7 31 18.98	−1 12.72	21 23 42.8	−10 34.2	9.512505	1 38	8 7
	21	7 30 6.26	1 22.59	+21 13 8.6	10 31.7	9.506876	1 33	8 6
	22	7 28 43.67	1 32.21	21 2 36.9	10 28.8	9.501485	1 28	8 5
	23	7 27 11.46	1 41.49	20 52 8.1	10 25.4	9.496355	1 22	8 4
	24	7 25 29.97	1 50.38	20 41 42.7	10 21.7	9.491507	1 17	8 3
	25	7 23 39.59	−1 58.80	20 31 21.0	−10 17.5	9.486963	1 11	8 1
	26	7 21 40.79	2 6.69	+20 21 3.5	10 12.6	9.482745	1 5	8 0
	27	7 19 34.10	2 13.96	20 10 50.9	10 7.0	9.478874	0 59	7 59
	28	7 17 20.14	2 20.56	20 0 43.9	10 0.7	9.475370	0 53	7 58
	29	7 14 59.58	2 26.41	19 50 43.2	9 53.7	9.472251	0 46	7 57
	30	7 12 33.17	−2 31.43	19 40 49.5	− 9 45.6	9.469535	0 40	7 56
Juli	1	7 10 1.74	2 35.59	+19 31 3.9	9 36.3	9.467238	0 34	7 54
	2	7 7 26.15	2 38.83	19 21 27.6	9 25.9	9.465373	0 27	7 53
	3	7 4 47.32	2 41.10	19 12 1.7	9 14.3	9.463952	0 21	7 52
	4	7 2 6.22	2 42.40	19 2 47.4	9 1.2	9.462984	0 14	7 51
	5	6 59 23.82	−2 42.69	18 53 46.2	− 8 46.7	9.462474	0 7	7 50
	6	6 56 41.13	2 41.97	+18 44 59.5	8 30.7	9.462425	0 1	7 49
	7	6 53 59.16	2 40.24	18 36 28.8	8 13.3	9.462838	23 54	7 48
	8	6 51 18.92	2 37.53	18 28 15.5	7 54.1	9.463710	23 47	7 48
	9	6 48 41.39	2 33.87	18 20 21.4	7 33.3	9.465035	23 41	7 47
	10	6 46 7.52		18 12 48.1		9.466804	23 34	7 46

Wahrer geozentrischer Ort.

0^h Mittl. Zeit		AR. h m s	Diff. m s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
Juli	9	6 48 41.39	−2 33.87	+18 20 21.4	−7 33.3	9.465035	23 41	7 47
	10	6 46 7.52	2 29.29	18 12 48.1	7 11.1	9.466804	23 34	7 46
	11	6 43 38.23	2 23.86	18 5 37.0	6 47.5	9.469006	23 28	7 45
	12	6 41 14.37	2 17.62	17 58 49.5	6 22.8	9.471628	23 21	7 44
	13	6 38 56.75	−2 10.65	17 52 26.7	−5 56.8	9.474653	23 15	7 44
	14	6 36 46.10	2 3.02	+17 46 29.9	5 29.9	9.478064	23 9	7 43
	15	6 34 43.08	1 54.82	17 41 0.0	5 2.3	9.481840	23 3	7 42
	16	6 32 48.26	1 46.12	17 35 57.7	4 34.3	9.485960	22 57	7 42
	17	6 31 2.14	1 36.99	17 31 23.4	4 5.9	9.490403	22 52	7 41
	18	6 29 25.15	−1 27.52	17 27 17.5	−3 37.3	9.495145	22 46	7 41
	19	6 27 57.63	1 17.81	+17 23 40.2	3 8.8	9.500164	22 41	7 41
	20	6 26 39.82	1 7.92	17 20 31.4	2 40.7	9.505436	22 35	7 40
	21	6 25 31.90	0 57.90	17 17 50.7	2 13.1	9.510939	22 30	7 40
	22	6 24 34.00	0 47.81	17 15 37.6	1 46.1	9.516651	22 25	7 40
	23	6 23 46.19	−0 37.72	17 13 51.5	−1 19.9	9.522550	22 21	7 40
	24	6 23 8.47	0 27.66	+17 12 31.6	0 54.8	9.528616	22 16	7 39
	25	6 22 40.81	0 17.68	17 11 36.8	0 30.7	9.534830	22 12	7 39
	26	6 22 23.13	−0 7.80	17 11 6.1	−0 7.9	9.541173	22 7	7 39
	27	6 22 15.33	+0 1.93	17 10 58.2	+0 13.5	9.547628	22 3	7 39
	28	6 22 17.26	+0 11.49	17 11 11.7	+0 33.6	9.554178	21 59	7 39
	29	6 22 28.75	0 20.87	+17 11 45.3	0 52.3	9.560809	21 56	7 39
	30	6 22 49.62	0 30.06	17 12 37.6	1 9.4	9.567506	21 52	7 39
	31	6 23 19.68	0 39.04	17 13 47.0	1 25.0	9.574257	21 49	7 40
Aug.	1	6 23 58.72	0 47.80	17 15 12.0	1 39.0	9.581049	21 45	7 40
	2	6 24 46.52	+0 56.31	17 16 51.0	+1 51.3	9.587871	21 42	7 40
	3	6 25 42.83	1 4.60	+17 18 42.3	2 2.1	9.594714	21 39	7 40
	4	6 26 47.43	1 12.67	17 20 44.4	2 11.3	9.601568	21 36	7 40
	5	6 28 0.10	1 20.51	17 22 55.7	2 18.8	9.608424	21 34	7 41
	6	6 29 20.61	1 28.10	17 25 14.5	2 24.7	9.615275	21 31	7 41
	7	6 30 48.71	+1 35.48	17 27 39.2	+2 29.2	9.622115	21 29	7 41
	8	6 32 24.19	1 42.62	+17 30 8.4	2 32.1	9.628937	21 26	7 41
	9	6 34 6.81	1 49.54	17 32 40.5	2 33.3	9.635735	21 24	7 42
	10	6 35 56.35	1 56.25	17 35 13.8	2 33.1	9.642504	21 22	7 42
	11	6 37 52.60	2 2.75	17 37 46.9	2 31.4	9.649239	21 20	7 42
	12	6 39 55.35	+2 9.02	17 40 18.3	+2 28.2	9.655936	21 18	7 42
	13	6 42 4.37	2 15.08	+17 42 46.5	2 23.5	9.662591	21 16	7 43
	14	6 44 19.45	2 20.94	17 45 10.0	2 17.5	9.669201	21 14	7 43
	15	6 46 40.39	2 26.59	17 47 27.5	2 10.2	9.675762	21 13	7 43
	16	6 49 6.98	2 32.02	17 49 37.7	2 1.7	9.682271	21 11	7 43
	17	6 51 39.00		17 51 39.4		9.688726	21 10	7 44

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
Aug. 16	6h 49m 6s.98	+2m 32s.02	+17° 49′ 37″.7	+2′ 1″.7	9.682271	21h 11m	7h 43m
17	6 51 39.00	2 37.27	17 51 39.4	1 51.7	9.688726	21 10	7 44
18	6 54 16.27	2 42.31	17 53 31.1	1 40.6	9.695125	21 9	7 44
19	6 56 58.58	2 47.15	17 55 11.7	1 28.4	9.701466	21 7	7 44
20	6 59 45.73	+2 51.81	17 56 40.1	+1 15.0	9.707748	21 6	7 44
21	7 2 37.54	2 56.28	+17 57 55.1	1 0.5	9.713969	21 5	7 44
22	7 5 33.82	3 0.58	17 58 55.6	0 44.9	9.720128	21 4	7 44
23	7 8 34.40	3 4.69	17 59 40.5	0 28.4	9.726225	21 3	7 44
24	7 11 39.09	3 8.65	18 0 8.9	+0 11.0	9.732260	21 2	7 45
25	7 14 47.74	+3 12.45	18 0 19.9	−0 7.3	9.738232	21 2	7 45
26	7 18 0.19	3 16.08	+18 0 12.6	0 26.4	9.744140	21 1	7 45
27	7 21 16.27	3 19.57	17 59 46.2	0 46.4	9.749986	21 0	7 44
28	7 24 35.84	3 22.91	17 58 59.8	1 7.0	9.755769	21 0	7 44
29	7 27 58.75	3 26.12	17 57 52.8	1 28.5	9.761489	20 59	7 44
30	7 31 24.87	+3 29.19	17 56 24.3	−1 50.6	9.767147	20 58	7 44
31	7 34 54.06	3 32.12	+17 54 33.7	2 13.2	9.772743	20 58	7 44
Sept. 1	7 38 26.18	3 34.94	17 52 20.5	2 36.6	9.778277	20 58	7 44
2	7 42 1.12	3 37.63	17 49 43.9	3 0.5	9.783751	20 57	7 43
3	7 45 38.75	3 40.21	17 46 43.4	3 24.8	9.789164	20 57	7 43
4	7 49 18.96	+3 42.69	17 43 18.6	−3 49.7	9.794517	20 57	7 43
5	7 53 1.65	3 45.05	+17 39 28.9	4 15.2	9.799811	20 56	7 42
6	7 56 46.70	3 47.30	17 35 13.7	4 40.9	9.805047	20 56	7 42
7	8 0 34.00	3 49.47	17 30 32.8	5 7.1	9.810225	20 56	7 41
8	8 4 23.47	3 51.54	17 25 25.7	5 33.7	9.815345	20 56	7 41
9	8 8 15.01	+3 53.51	17 19 52.0	−6 0.6	9.820409	20 56	7 40
10	8 12 8.52	3 55.40	+17 13 51.4	6 27.9	9.825416	20 56	7 40
11	8 16 3.92	3 57.19	17 7 23.5	6 55.4	9.830367	20 56	7 39
12	8 20 1.11	3 58.90	17 0 28.1	7 23.1	9.835263	20 56	7 38
13	8 24 0.01	4 0.51	16 53 5.0	7 51.1	9.840103	20 56	7 37
14	8 28 0.52	+4 2.04	16 45 13.9	−8 19.1	9.844889	20 56	7 37
15	8 32 2.56	4 3.48	+16 36 54.8	8 47.4	9.849621	20 56	7 36
16	8 36 6.04	4 4.83	16 28 7.4	9 15.7	9.854299	20 56	7 35
17	8 40 10.87	4 6.10	16 18 51.7	9 44.1	9.858924	20 56	7 34
18	8 44 16.97	4 7.30	16 9 7.6	10 12.4	9.863496	20 56	7 33
19	8 48 24.27	+4 8.41	15 58 55.2	−10 40.8	9.868016	20 57	7 32
20	8 52 32.68	4 9.46	+15 48 14.4	11 9.1	9.872485	20 57	7 31
21	8 56 42.14	4 10.42	15 37 5.3	11 37.4	9.876903	20 57	7 30
22	9 0 52.56	4 11.33	15 25 27.9	12 5.4	9.881271	20 57	7 28
23	9 5 3.89	4 12.17	15 13 22.5	12 33.4	9.885589	20 57	7 27
24	9 9 16.06		15 0 49.1		9.889859	20 58	7 26

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Sept. 23	9 5 3.89	+4 12.17	+15 13 22.5	−12 33.4	9.885589	20 57	7 27
24	9 9 16.06	4 12.95	15 0 49.1	13 1.3	9.889859	20 58	7 26
25	9 13 29.01	4 13.67	14 47 47.8	13 29.0	9.894081	20 58	7 25
26	9 17 42.68	4 14.34	14 34 18.8	13 56.4	9.898255	20 58	7 23
27	9 21 57.02	+4 14.95	14 20 22.4	−14 23.5	9.902383	20 59	7 22
28	9 26 11.97	4 15.51	+14 5 58.9	14 50.5	9.906465	20 59	7 20
29	9 30 27.48	4 16.03	13 51 8.4	15 17.2	9.910503	20 59	7 19
30	9 34 43.51	4 16.51	13 35 51.2	15 43.6	9.914496	21 0	7 17
Okt. 1	9 39 0.02	4 16.94	13 20 7.6	16 9.6	9.918445	21 0	7 16
2	9 43 16.96	+4 17.34	13 3 58.0	−16 35.4	9.922351	21 0	7 14
3	9 47 34.30	4 17.71	+12 47 22.6	17 0.8	9.926216	21 1	7 13
4	9 51 52.01	4 18.06	12 30 21.8	17 25.9	9.930039	21 1	7 11
5	9 56 10.07	4 18.37	12 12 55.9	17 50.5	9.933821	21 1	7 9
6	10 0 28.44	4 18.66	11 55 5.4	18 14.8	9.937563	21 2	7 8
7	10 4 47.10	+4 18.93	11 36 50.6	−18 38.8	9.941266	21 2	7 6
8	10 9 6.03	4 19.19	+11 18 11.8	19 2.3	9.944930	21 2	7 4
9	10 13 25.22	4 19.43	10 59 9.5	19 25.4	9.948555	21 3	7 2
10	10 17 44.65	4 19.64	10 39 44.1	19 48.0	9.952141	21 3	7 0
11	10 22 4.29	4 19.85	10 19 56.1	20 10.2	9.955689	21 4	6 59
12	10 26 24.14	+4 20.04	9 59 45.9	−20 32.0	9.959200	21 4	6 57
13	10 30 44.18	4 20.22	+ 9 39 13.9	20 53.2	9.962673	21 4	6 55
14	10 35 4.40	4 20.38	9 18 20.7	21 13.9	9.966110	21 5	6 53
15	10 39 24.78	4 20.53	8 57 6.8	21 34.0	9.969511	21 5	6 51
16	10 43 45.31	4 20.67	8 35 32.8	21 53.7	9.972875	21 6	6 49
17	10 48 5.98	+4 20.80	8 13 39.1	−22 12.7	9.976203	21 6	6 47
18	10 52 26.78	4 20.93	+ 7 51 26.4	22 31.2	9.979496	21 6	6 45
19	10 56 47.71	4 21.05	7 28 55.2	22 49.1	9.982753	21 7	6 43
20	11 1 8.76	4 21.18	7 6 6.1	23 6.3	9.985976	21 7	6 41
21	11 5 29.94	4 21.30	6 42 59.8	23 23.0	9.989164	21 8	6 39
22	11 9 51.24	+4 21.41	6 19 36.8	−23 39.0	9.992319	21 8	6 37
23	11 14 12.65	4 21.54	+ 5 55 57.8	23 54.4	9.995440	21 8	6 35
24	11 18 34.19	4 21.66	5 32 3.4	24 9.2	9.998528	21 9	6 33
25	11 22 55.85	4 21.79	5 7 54.2	24 23.3	0.001584	21 9	6 30
26	11 27 17.64	4 21.93	4 43 30.9	24 36.7	0.004608	21 10	6 28
27	11 31 39.57	+4 22.08	4 18 54.2	−24 49.6	0.007600	21 10	6 26
28	11 36 1.65	4 22.24	+ 3 54 4.6	25 1.6	0.010560	21 10	6 24
29	11 40 23.89	4 22.42	3 29 3.0	25 13.1	0.013490	21 11	6 22
30	11 44 46.31	4 22.60	3 3 49.9	25 24.0	0.016390	21 11	6 20
31	11 49 8.91	4 22.80	2 38 25.9	25 34.2	0.019260	21 12	6 17
Nov. 1	11 53 31.71		2 12 51.7		0.022101	21 12	6 15

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Okt. 31	11 49 8.91	+4 22.80	+ 2 38 25.9	−25 34.2	0.019260	21 12	6 17
Nov. 1	11 53 31.71	4 23.03	2 12 51.7	25 43.6	0.022101	21 12	6 15
2	11 57 54.74	4 23.28	1 47 8.1	25 52.4	0.024913	21 13	6 13
3	12 2 18.02	4 23.55	1 21 15.7	26 0.5	0.027696	21 13	6 11
4	12 6 41.57	+4 23.84	0 55 15.2	−26 8.0	0.030451	21 14	6 8
5	12 11 5.41	4 24.15	+ 0 29 7.2	26 14.9	0.033179	21 14	6 6
6	12 15 29.56	4 24.50	+ 0 2 52.3	26 20.9	0.035880	21 14	6 4
7	12 19 54.06	4 24.87	− 0 23 28.6	26 26.4	0.038554	21 15	6 2
8	12 24 18.93	4 25.26	0 49 55.0	26 31.2	0.041200	21 15	5 59
9	12 28 44.19	+4 25.68	1 16 26.2	−26 35.3	0.043820	21 16	5 57
10	12 33 9.87	4 26.12	− 1 43 1.5	26 38.5	0.046414	21 16	5 55
11	12 37 35.99	4 26.60	2 9 40.0	26 41.2	0.048981	21 17	5 52
12	12 42 2.59	4 27.10	2 36 21.2	26 43.1	0.051522	21 17	5 50
13	12 46 29.69	4 27.61	3 3 4.3	26 44.3	0.054037	21 18	5 48
14	12 50 57.30	+4 28.15	3 29 48.6	−26 44.8	0.056527	21 18	5 45
15	12 55 25.45	4 28.72	− 3 56 33.4	26 44.4	0.058991	21 19	5 43
16	12 59 54.17	4 29.32	4 23 17.8	26 43.3	0.061430	21 19	5 41
17	13 4 23.49	4 29.94	4 50 1.1	26 41.4	0.063844	21 20	5 38
18	13 8 53.43	4 30.58	5 16 42.5	26 38.8	0.066232	21 20	5 36
19	13 13 24.01	+4 31.25	5 43 21.3	−26 35.4	0.068596	21 21	5 34
20	13 17 55.26	4 31.95	− 6 9 56.7	26 31.2	0.070935	21 21	5 31
21	13 22 27.21	4 32.67	6 36 27.9	26 26.3	0.073251	21 22	5 29
22	13 26 59.88	4 33.42	7 2 54.2	26 20.5	0.075542	21 22	5 27
23	13 31 33.30	4 34.18	7 29 14.7	26 13.9	0.077809	21 23	5 24
24	13 36 7.48	+4 34.97	7 55 28.6	−26 6.6	0.080053	21 24	5 22
25	13 40 42.45	4 35.79	− 8 21 35.2	25 58.4	0.082273	21 25	5 20
26	13 45 18.24	4 36.63	8 47 33.6	25 49.4	0.084471	21 25	5 17
27	13 49 54.87	4 37.50	9 13 23.0	25 39.8	0.086646	21 26	5 15
28	13 54 32.37	4 38.39	9 39 2.8	25 29.3	0.088799	21 27	5 13
29	13 59 10.76	+4 39.30	10 4 32.1	−25 17.9	0.090930	21 27	5 10
30	14 3 50.06	4 40.25	−10 29 50.0	25 5.8	0.093040	21 28	5 8
Dez. 1	14 8 30.31	4 41.22	10 54 55.8	24 53.0	0.095129	21 29	5 6
2	14 13 11.53	4 42.20	11 19 48.8	24 39.3	0.097196	21 30	5 3
3	14 17 53.73	4 43.22	11 44 28.1	24 24.9	0.099243	21 31	5 1
4	14 22 36.95	+4 44.26	12 8 53.0	−24 9.6	0.101269	21 31	4 59
5	14 27 21.21	4 45.34	−12 33 2.6	23 53.6	0.103275	21 32	4 56
6	14 32 6.55	4 46.42	12 56 56.2	23 36.8	0.105261	21 33	4 54
7	14 36 52.97	4 47.52	13 20 33.0	23 19.3	0.107227	21 34	4 52
8	14 41 40.49	4 48.64	13 43 52.3	23 1.0	0.109174	21 34	4 50
9	14 46 29.13		14 6 53.3		0.111101	21 35	4 47

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR. h m s	Diff. m s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
Dez. 8	14 41 40.49	+4 48.64	−13 43 52.3	−23 1.0	0.109174	21 34	4 50
9	14 46 29.13	4 49.78	14 6 53.3	22 41.8	0.111101	21 35	4 47
10	14 51 18.91	4 50.94	14 29 35.1	22 21.8	0.113008	21 36	4 45
11	14 56 9.85	4 52.10	14 51 56.9	22 1.2	0.114896	21 37	4 43
12	15 1 1.95	+4 53.28	15 13 58.1	−21 39.6	0.116765	21 38	4 41
13	15 5 55.23	4 54.47	−15 35 37.7	21 17.3	0.118615	21 39	4 39
14	15 10 49.70	4 55.67	15 56 55.0	20 54.1	0.120446	21 40	4 37
15	15 15 45.37	4 56.86	16 17 49.1	20 30.3	0.122257	21 41	4 34
16	15 20 42.23	4 58.06	16 38 19.4	20 5.6	0.124050	21 42	4 32
17	15 25 40.29	+4 59.25	16 58 25.0	−19 40.0	0.125824	21 43	4 30
18	15 30 39.54	5 0.46	−17 18 5.0	19 13.8	0.127580	21 44	4 28
19	15 35 40.00	5 1.64	17 37 18.8	18 46.8	0.129317	21 45	4 26
20	15 40 41.64	5 2.83	17 56 5.6	18 19.0	0.131036	21 46	4 24
21	15 45 44.47	5 4.01	18 14 24.6	17 50.4	0.132736	21 47	4 22
22	15 50 48.48	+5 5.16	18 32 15.0	−17 21.1	0.134418	21 48	4 21
23	15 55 53.64	5 6.32	−18 49 36.1	16 51.1	0.136083	21 50	4 19
24	16 0 59.96	5 7.45	19 6 27.2	16 20.3	0.137730	21 51	4 17
25	16 6 7.41	5 8.56	19 22 47.5	15 48.8	0.139359	21 52	4 15
26	16 11 15.97	5 9.66	19 38 36.3	15 16.6	0.140971	21 53	4 13
27	16 16 25.63	+5 10.72	19 53 52.9	−14 43.9	0.142566	21 54	4 12
28	16 21 36.35	5 11.78	−20 8 36.8	14 10.4	0.144144	21 55	4 10
29	16 26 48.13	5 12.81	20 22 47.2	13 36.3	0.145706	21 57	4 9
30	16 32 0.94	5 13.81	20 36 23.5	13 1.6	0.147252	21 58	4 7
31	16 37 14.75	5 14.77	20 49 25.1	12 26.3	0.148781	21 59	4 6
32	16 42 29.52	+5 15.71	21 1 51.4	−11 50.4	0.150295	22 1	4 4
33	16 47 45.23		−21 13 41.8		0.151793	22 2	4 3

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tagbogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Jan. 1	23 35 41.62	+2 32.95	−3 10 22.5	+17 52.4	0.136943	4 57	5 47
2	23 38 14.57	2 32.94	2 52 30.1	17 52.9	0.139490	4 55	5 49
3	23 40 47.51	2 32.93	2 34 37.2	17 53.5	0.142025	4 54	5 50
4	23 43 20.44	2 32.93	2 16 43.7	17 53.9	0.144548	4 53	5 52
5	23 45 53.37	+2 32.92	1 58 49.8	+17 54.0	0.147060	4 51	5 53
6	23 48 26.29	2 32.91	−1 40 55.8	17 54.1	0.149560	4 50	5 55
7	23 50 59.20	2 32.91	1 23 1.7	17 54.0	0.152049	4 48	5 56
8	23 53 32.11	2 32.90	1 5 7.7	17 53.6	0.154526	4 47	5 58
9	23 56 5.01	2 32.91	0 47 14.1	17 53.1	0.156991	4 46	6 0
10	23 58 37.92	+2 32.91	0 29 21.0	+17 52.6	0.159444	4 44	6 1
11	0 1 10.83	2 32.91	−0 11 28.4	17 51.9	0.161886	4 43	6 3
12	0 3 43.74	2 32.91	+0 6 23.5	17 51.0	0.164316	4 42	6 4
13	0 6 16.65	2 32.92	0 24 14.5	17 49.9	0.166734	4 40	6 6
14	0 8 49.57	2 32.94	0 42 4.4	17 48.6	0.169141	4 39	6 7
15	0 11 22.51	+2 32.95	0 59 53.0	+17 47.3	0.171536	4 37	6 9
16	0 13 55.46	2 32.98	+1 17 40.3	17 45.8	0.173919	4 36	6 10
17	0 16 28.44	2 33.01	1 35 26.1	17 44.2	0.176291	4 35	6 12
18	0 19 1.45	2 33.04	1 53 10.3	17 42.3	0.178652	4 33	6 13
19	0 21 34.49	2 33.07	2 10 52.6	17 40.4	0.181002	4 32	6 15
20	0 24 7.56	+2 33.13	2 28 33.0	+17 38.4	0.183340	4 30	6 17
21	0 26 40.69	2 33.18	+2 46 11.4	17 36.2	0.185668	4 29	6 18
22	0 29 13.87	2 33.23	3 3 47.6	17 33.9	0.187984	4 28	6 20
23	0 31 47.10	2 33.30	3 21 21.5	17 31.6	0.190289	4 26	6 21
24	0 34 20.40	2 33.37	3 38 53.1	17 29.0	0.192583	4 25	6 23
25	0 36 53.77	+2 33.46	3 56 22.1	+17 26.3	0.194866	4 23	6 24
26	0 39 27.23	2 33.55	+4 13 48.4	17 23.6	0.197138	4 22	6 26
27	0 42 0.78	2 33.65	4 31 12.0	17 20.6	0.199399	4 21	6 27
28	0 44 34.43	2 33.74	4 48 32.6	17 17.6	0.201649	4 19	6 29
29	0 47 8.17	2 33.85	5 5 50.2	17 14.6	0.203887	4 18	6 30
30	0 49 42.02	+2 33.97	5 23 4.8	+17 11.3	0.206114	4 17	6 32
31	0 52 15.99	2 34.09	+5 40 16.1	17 7.9	0.208330	4 15	6 33
Febr. 1	0 54 50.08	2 34.22	5 57 24.0	17 4.4	0.210534	4 14	6 35
2	0 57 24.30	2 34.35	6 14 28.4	17 0.8	0.212727	4 12	6 36
3	0 59 58.65	2 34.47	6 31 29.2	16 57.0	0.214908	4 11	6 38
4	1 2 33.12	+2 34.61	6 48 26.2	+16 53.1	0.217077	4 10	6 39
5	1 5 7.73	2 34.74	+7 5 19.3	16 49.0	0.219234	4 8	6 41
6	1 7 42.47	2 34.87	7 22 8.3	16 44.8	0.221380	4 7	6 42
7	1 10 17.34	2 35.01	7 38 53.1	16 40.5	0.223514	4 6	6 44
8	1 12 52.35	2 35.16	7 55 33.6	16 36.0	0.225636	4 4	6 45
9	1 15 27.51		8 12 9.6		0.227745	4 3	6 47

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ' "	' "		h m	h m
Febr. 8	1 12 52.35	+2 35.16	+ 7 55 33.6	+16 36.0	0.225636	4 4	6 45
9	1 15 27.51	2 35.31	8 12 9.6	16 31.3	0.227745	4 3	6 47
10	1 18 2.82	2 35.45	8 28 40.9	16 26.6	0.229843	4 1	6 48
11	1 20 38.27	2 35.60	8 45 7.5	16 21.7	0.231929	4 0	6 50
12	1 23 13.87	+2 35.76	9 1 29.2	+16 16.7	0.234004	3 59	6 51
13	1 25 49.63	2 35.91	+ 9 17 45.9	16 11.5	0.236067	3 57	6 53
14	1 28 25.54	2 36.07	9 33 57.4	16 6.3	0.238119	3 56	6 54
15	1 31 1.61	2 36.24	9 50 3.7	16 0.8	0.240159	3 55	6 56
16	1 33 37.85	2 36.41	10 6 4.5	15 55.3	0.242187	3 53	6 57
17	1 36 14.26	+2 36.59	10 21 59.8	+15 49.6	0.244204	3 52	6 59
18	1 38 50.85	2 36.77	+10 37 49.4	15 43.8	0.246210	3 51	7 0
19	1 41 27.62	2 36.96	10 53 33.2	15 38.0	0.248204	3 49	7 2
20	1 44 4.58	2 37.15	11 9 11.2	15 32.0	0.250187	3 48	7 3
21	1 46 41.73	2 37.34	11 24 43.2	15 25.8	0.252159	3 47	7 5
22	1 49 19.07	+2 37.55	11 40 9.0	+15 19.6	0.254120	3 45	7 6
23	1 51 56.62	2 37.77	+11 55 28.6	15 13.4	0.256069	3 44	7 8
24	1 54 34.39	2 37.98	12 10 42.0	15 7.0	0.258008	3 43	7 9
25	1 57 12.37	2 38.20	12 25 49.0	15 0.5	0.259935	3 42	7 11
26	1 59 50.57	2 38.42	12 40 49.5	14 53.8	0.261851	3 40	7 12
27	2 2 28.99	+2 38.65	12 55 43.3	+14 47.1	0.263756	3 39	7 13
28	2 5 7.64	2 38.88	+13 10 30.4	14 40.3	0.265650	3 38	7 15
29	2 7 46.52	2 39.11	13 25 10.7	14 33.4	0.267532	3 36	7 16
März 1	2 10 25.63	2 39.35	13 39 44.1	14 26.3	0.269402	3 35	7 18
2	2 13 4.98	2 39.60	13 54 10.4	14 19.1	0.271261	3 34	7 19
3	2 15 44.58	+2 39.84	14 8 29.5	+14 11.9	0.273108	3 32	7 21
4	2 18 24.42	2 40.07	+14 22 41.4	14 4.5	0.274944	3 31	7 22
5	2 21 4.49	2 40.32	14 36 45.9	13 56.9	0.276768	3 30	7 23
6	2 23 44.81	2 40.55	14 50 42.8	13 49.3	0.278579	3 29	7 25
7	2 26 25.36	2 40.79	15 4 32.1	13 41.5	0.280379	3 27	7 26
8	2 29 6.15	+2 41.02	15 18 13.6	+13 33.6	0.282167	3 26	7 28
9	2 31 47.17	2 41.26	+15 31 47.2	13 25.6	0.283944	3 25	7 29
10	2 34 28.43	2 41.50	15 45 12.8	13 17.4	0.285709	3 24	7 30
11	2 37 9.93	2 41.74	15 58 30.2	13 9.2	0.287462	3 22	7 32
12	2 39 51.67	2 41.98	16 11 39.4	13 0.8	0.289203	3 21	7 33
13	2 42 33.65	+2 42.22	16 24 40.2	+12 52.4	0.290933	3 20	7 34
14	2 45 15.87	2 42.45	+16 37 32.6	12 43.8	0.292652	3 19	7 36
15	2 47 58.32	2 42.69	16 50 16.4	12 35.1	0.294359	3 17	7 37
16	2 50 41.01	2 42.94	17 2 51.5	12 26.4	0.296055	3 16	7 38
17	2 53 23.95	2 43.18	17 15 17.9	12 17.5	0.297740	3 15	7 40
18	2 56 7.13		17 27 35.4		0.299413	3 14	7 41

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
März 17	2 53 23.95	+2 43.18	+17 15 17.9	+12 17.5	0.297740	3 15	7 40
18	2 56 7.13	2 43.42	17 27 35.4	12 8.6	0.299413	3 14	7 41
19	2 58 50.55	2 43.67	17 39 44.0	11 59.5	0.301075	3 12	7 42
20	3 1 34.22	2 43.91	17 51 43.5	11 50.4	0.302726	3 11	7 44
21	3 4 18.13	+2 44.17	18 3 33.9	+11 41.1	0.304366	3 10	7 45
22	3 7 2.30	2 44.41	+18 15 15.0	11 31.8	0.305995	3 9	7 46
23	3 9 46.71	2 44.66	18 26 46.8	11 22.5	0.307613	3 8	7 47
24	3 12 31.37	2 44.92	18 38 9.3	11 13.0	0.309220	3 6	7 49
25	3 15 16.29	2 45.17	18 49 22.3	11 3.5	0.310816	3 5	7 50
26	3 18 1.46	+2 45.42	19 0 25.8	+10 53.8	0.312400	3 4	7 51
27	3 20 46.88	2 45.67	+19 11 19.6	10 44.1	0.313974	3 3	7 52
28	3 23 32.55	2 45.92	19 22 3.7	10 34.3	0.315537	3 2	7 53
29	3 26 18.47	2 46.17	19 32 38.0	10 24.4	0.317088	3 1	7 55
30	3 29 4.64	2 46.42	19 43 2.4	10 14.4	0.318628	2 59	7 56
31	3 31 51.06	+2 46.67	19 53 16.8	+10 4.4	0.320156	2 58	7 57
April 1	3 34 37.73	2 46.90	+20 3 21.2	9 54.3	0.321673	2 57	7 58
2	3 37 24.63	2 47.13	20 13 15.5	9 44.1	0.323179	2 56	7 59
3	3 40 11.76	2 47.37	20 22 59.6	9 33.7	0.324673	2 55	8 0
4	3 42 59.13	2 47.60	20 32 33.3	9 23.3	0.326155	2 54	8 1
5	3 45 46.73	+2 47.81	20 41 56.6	+ 9 12.8	0.327626	2 52	8 3
6	3 48 34.54	2 48.02	+20 51 9.4	9 2.2	0.329086	2 51	8 4
7	3 51 22.56	2 48.22	21 0 11.6	8 51.5	0.330534	2 50	8 5
8	3 54 10.78	2 48.43	21 9 3.1	8 40.9	0.331971	2 49	8 6
9	3 56 59.21	2 48.63	21 17 44.0	8 30.1	0.333396	2 48	8 7
10	3 59 47.84	+2 48.82	21 26 14.1	+ 8 19.2	0.334810	2 47	8 8
11	4 2 36.66	2 49.02	+21 34 33.3	8 8.3	0.336213	2 46	8 9
12	4 5 25.68	2 49.20	21 42 41.6	7 57.2	0.337605	2 44	8 10
13	4 8 14.88	2 49.37	21 50 38.8	7 46.2	0.338986	2 43	8 11
14	4 11 4.25	2 49.55	21 58 25.0	7 35.0	0.340355	2 42	8 12
15	4 13 53.80	+2 49.73	22 6 0.0	+ 7 23.8	0.341713	2 41	8 13
16	4 16 43.53	2 49.89	+22 13 23.8	7 12.6	0.343061	2 40	8 13
17	4 19 33.42	2 50.05	22 20 36.4	7 1.3	0.344398	2 39	8 14
18	4 22 23.47	2 50.21	22 27 37.7	6 50.0	0.345724	2 38	8 15
19	4 25 13.68	2 50.37	22 34 27.7	6 38.6	0.347039	2 37	8 16
20	4 28 4.05	+2 50.53	22 41 6.3	+ 6 27.1	0.348343	2 36	8 17
21	4 30 54.58	2 50.67	+22 47 33.4	6 15.6	0.349637	2 34	8 18
22	4 33 45.25	2 50.82	22 53 49.0	6 4.2	0.350920	2 33	8 18
23	4 36 36.07	2 50.97	22 59 53.2	5 52.6	0.352192	2 32	8 19
24	4 39 27.04	2 51.09	23 5 45.8	5 41.1	0.353454	2 31	8 20
25	4 42 18.13		23 11 26.9		0.354705	2 30	8 21

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
April 24	4 39 27.04	+2 51.09	+23 5 45.8	+5 41.1	0.353454	2 31	8 20
25	4 42 18.13	2 51.22	23 11 26.9	5 29.4	0.354705	2 30	8 21
26	4 45 9.35	2 51.35	23 16 56.3	5 17.8	0.355944	2 29	8 21
27	4 48 0.70	2 51.47	23 22 14.1	5 6.2	0.357173	2 28	8 22
28	4 50 52.17	+2 51.58	23 27 20.3	+4 54.4	0.358391	2 27	8 23
29	4 53 43.75	2 51.68	+23 32 14.7	4 42.6	0.359598	2 26	8 23
30	4 56 35.43	2 51.76	23 36 57.3	4 30.9	0.360794	2 25	8 24
Mai 1	4 59 27.19	2 51.85	23 41 28.2	4 19.0	0.361979	2 24	8 25
2	5 2 19.04	2 51.92	23 45 47.2	4 7.1	0.363152	2 22	8 25
3	5 5 10.96	+2 51.99	23 49 54.3	+3 55.3	0.364314	2 21	8 26
4	5 8 2.95	2 52.04	+23 53 49.6	3 43.4	0.365465	2 20	8 26
5	5 10 54.99	2 52.09	23 57 33.0	3 31.5	0.366605	2 19	8 27
6	5 13 47.08	2 52.12	24 1 4.5	3 19.5	0.367734	2 18	8 27
7	5 16 39.20	2 52.15	24 4 24.0	3 7.4	0.368852	2 17	8 27
8	5 19 31.35	+2 52.17	24 7 31.4	+2 55.5	0.369959	2 16	8 28
9	5 22 23.52	2 52.18	+24 10 26.9	2 43.6	0.371055	2 15	8 28
10	5 25 15.70	2 52.19	24 13 10.5	2 31.6	0.372140	2 14	8 29
11	5 28 7.89	2 52.18	24 15 42.1	2 19.5	0.373215	2 13	8 29
12	5 31 0.07	2 52.16	24 18 1.6	2 7.5	0.374279	2 12	8 29
13	5 33 52.23	+2 52.14	24 20 9.1	+1 55.6	0.375332	2 11	8 30
14	5 36 44.37	2 52.11	+24 22 4.7	1 43.5	0.376374	2 10	8 30
15	5 39 36.48	2 52.07	24 23 48.2	1 31.4	0.377406	2 9	8 30
16	5 42 28.55	2 52.03	24 25 19.6	1 19.5	0.378427	2 7	8 30
17	5 45 20.58	2 51.99	24 26 39.1	1 7.6	0.379438	2 6	8 30
18	5 48 12.57	+2 51.93	24 27 46.7	+0 55.6	0.380438	2 5	8 31
19	5 51 4.50	2 51.88	+24 28 42.3	0 43.7	0.381428	2 4	8 31
20	5 53 56.38	2 51.82	24 29 26.0	0 31.8	0.382407	2 3	8 31
21	5 56 48.20	2 51.74	24 29 57.8	0 19.8	0.383376	2 2	8 31
22	5 59 39.94	2 51.66	24 30 17.6	+0 7.9	0.384335	2 1	8 31
23	6 2 31.60	+2 51.57	24 30 25.5	−0 3.9	0.385283	2 0	8 31
24	6 5 23.17	2 51.48	+24 30 21.6	0 15.8	0.386221	1 59	8 31
25	6 8 14.65	2 51.38	24 30 5.8	0 27.6	0.387148	1 58	8 31
26	6 11 6.03	2 51.27	24 29 38.2	0 39.4	0.388064	1 57	8 31
27	6 13 57.30	2 51.16	24 28 58.8	0 51.1	0.388970	1 56	8 31
28	6 16 48.46	+2 51.03	24 28 7.7	−1 2.8	0.389865	1 54	8 31
29	6 19 39.49	2 50.89	+24 27 4.9	1 14.7	0.390749	1 53	8 30
30	6 22 30.38	2 50.75	24 25 50.2	1 26.3	0.391622	1 52	8 30
31	6 25 21.13	2 50.61	24 24 23.9	1 37.9	0.392485	1 51	8 30
Juni 1	6 28 11.74	2 50.44	24 22 46.0	1 49.4	0.393337	1 50	8 30
2	6 31 2.18		24 20 56.6		0.394178	1 49	8 30

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Juni 1	6 28 11.74	+2 50.44	+24 22 46.0	−1 49.4	0.393337	1 50	8 30
2	6 31 2.18	2 50.27	24 20 56.6	2 1.0	0.394178	1 49	8 30
3	6 33 52.45	2 50.09	24 18 55.6	2 12.6	0.395008	1 48	8 29
4	6 36 42.54	2 49.90	24 16 43.0	2 24.1	0.395827	1 47	8 29
5	6 39 32.44	+2 49.70	24 14 18.9	−2 35.4	0.396636	1 46	8 29
6	6 42 22.14	2 49.50	+24 11 43.5	2 46.8	0.397434	1 45	8 28
7	6 45 11.64	2 49.29	24 8 56.7	2 58.1	0.398222	1 43	8 28
8	6 48 0.93	2 49.07	24 5 58.6	3 9.4	0.398999	1 42	8 28
9	6 50 50.00	2 48.83	24 2 49.2	3 20.7	0.399765	1 41	8 27
10	6 53 38.83	+2 48.61	23 59 28.5	−3 31.8	0.400520	1 40	8 27
11	6 56 27.44	2 48.38	+23 55 56.7	3 42.9	0.401265	1 39	8 26
12	6 59 15.82	2 48.13	23 52 13.8	3 53.8	0.402000	1 38	8 26
13	7 2 3.95	2 47.88	23 48 20.0	4 4.9	0.402725	1 37	8 25
14	7 4 51.83	2 47.64	23 44 15.1	4 15.8	0.403439	1 35	8 25
15	7 7 39.47	+2 47.38	23 39 59.3	−4 26.6	0.404143	1 34	8 24
16	7 10 26.85	2 47.13	+23 35 32.7	4 37.4	0.404837	1 33	8 24
17	7 13 13.98	2 46.86	23 30 55.3	4 48.1	0.405521	1 32	8 23
18	7 16 0.84	2 46.60	23 26 7.2	4 58.7	0.406195	1 31	8 23
19	7 18 47.44	2 46.34	23 21 8.5	5 9.3	0.406858	1 30	8 22
20	7 21 33.78	+2 46.06	23 15 59.2	−5 19.9	0.407511	1 29	8 21
21	7 24 19.84	2 45.79	+23 10 39.3	5 30.3	0.408153	1 27	8 21
22	7 27 5.63	2 45.52	23 5 9.0	5 40.7	0.408785	1 26	8 20
23	7 29 51.15	2 45.24	22 59 28.3	5 50.9	0.409407	1 25	8 19
24	7 32 36.39	2 44.94	22 53 37.4	6 1.2	0.410019	1 24	8 18
25	7 35 21.33	+2 44.66	22 47 36.2	−6 11.3	0.410620	1 23	8 18
26	7 38 5.99	2 44.36	+22 41 24.9	6 21.4	0.411210	1 22	8 17
27	7 40 50.35	2 44.06	22 35 3.5	6 31.4	0.411789	1 20	8 16
28	7 43 34.41	2 43.75	22 28 32.1	6 41.4	0.412358	1 19	8 15
29	7 46 18.16	2 43.44	22 21 50.7	6 51.2	0.412916	1 18	8 14
30	7 49 1.60	+2 43.12	22 14 59.5	−7 0.9	0.413464	1 17	8 14
Juli 1	7 51 44.72	2 42.81	+22 7 58.6	7 10.6	0.414001	1 15	8 13
2	7 54 27.53	2 42.48	22 0 48.0	7 20.1	0.414527	1 14	8 12
3	7 57 10.01	2 42.15	21 53 27.9	7 29.6	0.415043	1 13	8 11
4	7 59 52.16	2 41.82	21 45 58.3	7 39.0	0.415548	1 12	8 10
5	8 2 33.98	+2 41.49	21 38 19.3	−7 48.3	0.416043	1 10	8 9
6	8 5 15.47	2 41.15	+21 30 31.0	7 57.6	0.416527	1 9	8 8
7	8 7 56.62	2 40.81	21 22 33.4	8 6.7	0.417001	1 8	8 7
8	8 10 37.43	2 40.47	21 14 26.7	8 15.8	0.417464	1 7	8 6
9	8 13 17.90	2 40.13	21 6 10.9	8 24.7	0.417917	1 5	8 5
10	8 15 58.03		20 57 46.2		0.418359	1 4	8 4

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Juli 9	8 13 17.90	+2 40.13	+21 6 10.9	− 8 24.7	0.417917	1 5	8 5
10	8 15 58.03	2 39.79	20 57 46.2	8 33.6	0.418359	1 4	8 4
11	8 18 37.82	2 39.46	20 49 12.6	8 42.3	0.418791	1 3	8 3
12	8 21 17.28	2 39.10	20 40 30.3	8 51.0	0.419213	1 2	8 2
13	8 23 56.38	+2 38.76	20 31 39.3	− 8 59.6	0.419625	1 0	8 1
14	8 26 35.14	2 38.43	+20 22 39.7	9 8.2	0.420026	0 59	8 0
15	8 29 13.57	2 38.09	20 13 31.5	9 16.7	0.420417	0 58	7 59
16	8 31 51.66	2 37.76	20 4 14.8	9 25.0	0.420798	0 56	7 58
17	8 34 29.42	2 37.43	19 54 49.8	9 33.2	0.421169	0 55	7 57
18	8 37 6.85	+2 37.09	19 45 16.6	− 9 41.3	0.421529	0 54	7 56
19	8 39 43.94	2 36.76	+19 35 35.3	9 49.4	0.421879	0 52	7 55
20	8 42 20.70	2 36.43	19 25 45.9	9 57.3	0.422219	0 51	7 54
21	8 44 57.13	2 36.10	19 15 48.6	10 5.2	0.422549	0 50	7 53
22	8 47 33.23	2 35.78	19 5 43.4	10 13.1	0.422868	0 48	7 52
23	8 50 9.01	+2 35.45	18 55 30.3	−10 20.8	0.423176	0 47	7 51
24	8 52 44.46	2 35.12	+18 45 9.5	10 28.4	0.423474	0 46	7 50
25	8 55 19.58	2 34.80	18 34 41.1	10 35.9	0.423761	0 44	7 48
26	8 57 54.38	2 34.47	18 24 5.2	10 43.4	0.424038	0 43	7 47
27	9 0 28.85	2 34.14	18 13 21.8	10 50.7	0.424304	0 42	7 46
28	9 3 2.99	+2 33.81	18 2 31.1	−10 57.8	0.424559	0 40	7 45
29	9 5 36.80	2 33.49	+17 51 33.3	11 5.0	0.424804	0 39	7 44
30	9 8 10.29	2 33.16	17 40 28.3	11 12.1	0.425038	0 38	7 42
31	9 10 43.45	2 32.84	17 29 16.2	11 18.9	0.425261	0 36	7 41
Aug. 1	9 13 16.29	2 32.51	17 17 57.3	11 25.8	0.425473	0 35	7 40
2	9 15 48.80	+2 32.19	17 6 31.5	−11 32.5	0.425675	0 33	7 39
3	9 18 20.99	2 31.87	+16 54 59.0	11 39.2	0.425866	0 32	7 38
4	9 20 52.86	2 31.55	16 43 19.8	11 45.7	0.426046	0 30	7 36
5	9 23 24.41	2 31.23	16 31 34.1	11 52.1	0.426216	0 29	7 35
6	9 25 55.64	2 30.92	16 19 42.0	11 58.4	0.426375	0 28	7 34
7	9 28 26.56	+2 30.61	16 7 43.6	−12 4.7	0.426523	0 26	7 33
8	9 30 57.17	2 30.30	+15 55 38.9	12 10.8	0.426661	0 25	7 31
9	9 33 27.47	2 30.00	15 43 28.1	12 16.9	0.426788	0 23	7 30
10	9 35 57.47	2 29.70	15 31 11.2	12 22.8	0.426905	0 22	7 29
11	9 38 27.17	2 29.41	15 18 48.4	12 28.7	0.427012	0 20	7 28
12	9 40 56.58	+2 29.12	15 6 19.7	−12 34.4	0.427109	0 19	7 26
13	9 43 25.70	2 28.85	+14 53 45.3	12 40.1	0.427195	0 17	7 25
14	9 45 54.55	2 28.57	14 41 5.2	12 45.8	0.427270	0 16	7 24
15	9 48 23.12	2 28.30	14 28 19.4	12 51.3	0.427335	0 15	7 23
16	9 50 51.42	2 28.03	14 15 28.1	12 56.7	0.427390	0 13	7 21
17	9 53 19.45		14 2 31.4		0.427434	0 12	7 20

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tagbogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Aug. 16	9 50 51.42	+2 28.03	+14 15 28.1	−12 56.7	0.427390	0 13	7 21
17	9 53 19.45	2 27.77	14 2 31.4	13 2.1	0.427434	0 12	7 20
18	9 55 47.22	2 27.52	13 49 29.3	13 7.3	0.427468	0 10	7 19
19	9 58 14.74	2 27.28	13 36 22.0	13 12.5	0.427491	0 9	7 17
20	10 0 42.02	+2 27.03	13 23 9.5	−13 17.6	0.427503	0 7	7 16
21	10 3 9.05	2 26.79	+13 9 51.9	13 22.5	0.427504	0 6	7 15
22	10 5 35.84	2 26.54	12 56 29.4	13 27.4	0.427494	0 4	7 14
23	10 8 2.38	2 26.30	12 43 2.0	13 32.2	0.427474	0 3	7 12
24	10 10 28.68	2 26.07	12 29 29.8	13 36.9	0.427443	0 1	7 11
25	10 12 54.75	+2 25.84	12 15 52.9	−13 41.5	0.427401	0 0	7 10
26	10 15 20.59	2 25.61	+12 2 11.4	13 45.9	0.427347	23 58	7 8
27	10 17 46.20	2 25.38	11 48 25.5	13 50.3	0.427282	23 57	7 7
28	10 20 11.58	2 25.17	11 34 35.2	13 54.6	0.427207	23 55	7 6
29	10 22 36.75	2 24.95	11 20 40.6	13 58.8	0.427121	23 54	7 4
30	10 25 1.70	+2 24.74	11 6 41.8	−14 2.9	0.427023	23 52	7 3
31	10 27 26.44	2 24.53	+10 52 38.9	14 6.9	0.426914	23 51	7 2
Sept. 1	10 29 50.97	2 24.33	10 38 32.0	14 10.8	0.426795	23 49	7 0
2	10 32 15.30	2 24.13	10 24 21.2	14 14.6	0.426664	23 47	6 59
3	10 34 39.43	2 23.93	10 10 6.6	14 18.3	0.426522	23 46	6 58
4	10 37 3.36	+2 23.74	9 55 48.3	−14 21.8	0.426379	23 44	6 56
5	10 39 27.10	2 23.56	+ 9 41 26.5	14 25.3	0.426216	23 43	6 55
6	10 41 50.66	2 23.39	9 27 1.2	14 28.8	0.426032	23 41	6 54
7	10 44 14.05	2 23.22	9 12 32.4	14 32.2	0.425847	23 40	6 52
8	10 46 37.27	2 23.06	8 58 0.2	14 35.5	0.425651	23 38	6 51
9	10 49 0.33	+2 22.90	8 43 24.7	−14 38.6	0.425444	23 37	6 50
10	10 51 23.23	2 22.75	+ 8 28 46.1	14 41.6	0.425227	23 35	6 48
11	10 53 45.98	2 22.61	8 14 4.5	14 44.7	0.424999	23 34	6 47
12	10 56 8.59	2 22.48	7 59 19.8	14 47.6	0.424760	23 32	6 46
13	10 58 31.07	2 22.35	7 44 32.2	14 50.4	0.424510	23 31	6 44
14	11 0 53.42	+2 22.24	7 29 41.8	−14 53.2	0.424249	23 29	6 43
15	11 3 15.66	2 22.12	+ 7 14 48.6	14 55.9	0.423977	23 27	6 42
16	11 5 37.78	2 22.01	6 59 52.7	14 58.5	0.423694	23 26	6 40
17	11 7 59.79	2 21.91	6 44 54.2	15 1.0	0.423400	23 24	6 39
18	11 10 21.70	2 21.82	6 29 53.2	15 3.4	0.423095	23 23	6 38
19	11 12 43.52	+2 21.72	6 14 49.8	−15 5.7	0.422779	23 21	6 36
20	11 15 5.24	2 21.64	+ 5 59 44.1	15 7.9	0.422451	23 19	6 35
21	11 17 26.88	2 21.56	5 44 36.2	15 10.0	0.422112	23 18	6 34
22	11 19 48.44	2 21.48	5 29 26.2	15 12.0	0.421761	23 16	6 32
23	11 22 9.92	2 21.41	5 14 14.2	15 14.0	0.421399	23 15	6 31
24	11 24 31.33		4 59 0.2		0.421025	23 13	6 30

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Sept. 23	11 22 9.92	+2 21.41	+5 14 14.2	−15 14.0	0.421399	23 15	6 31
24	11 24 31.33	2 21.35	4 59 0.2	15 15.9	0.421025	23 13	6 30
25	11 26 52.68	2 21.28	4 43 44.3	15 17.6	0.420640	23 11	6 28
26	11 29 13.96	2 21.23	4 28 26.7	15 19.2	0.420244	23 10	6 27
27	11 31 35.19	+2 21.17	4 13 7.5	−15 20.7	0.419836	23 8	6 26
28	11 33 56.36	2 21.12	+3 57 46.8	15 22.2	0.419416	23 7	6 24
29	11 36 17.48	2 21.08	3 42 24.6	15 23.5	0.418984	23 5	6 23
30	11 38 38.56	2 21.04	3 27 1.1	15 24.7	0.418541	23 3	6 22
Okt. 1	11 40 59.60	2 21.01	3 11 36.4	15 25.8	0.418087	23 2	6 20
2	11 43 20.61	+2 20.99	2 56 10.6	−15 26.9	0.417621	23 0	6 19
3	11 45 41.60	2 20.97	+2 40 43.7	15 27.9	0.417144	22 59	6 18
4	11 48 2.57	2 20.95	2 25 15.8	15 28.7	0.416655	22 57	6 16
5	11 50 23.52	2 20.95	2 9 47.1	15 29.4	0.416155	22 56	6 15
6	11 52 44.47	2 20.95	1 54 17.7	15 30.1	0.415644	22 54	6 14
7	11 55 5.42	+2 20.96	1 38 47.6	−15 30.8	0.415121	22 52	6 12
8	11 57 26.38	2 20.98	+1 23 16.8	15 31.3	0.414587	22 51	6 11
9	11 59 47.36	2 21.01	1 7 45.5	15 31.8	0.414042	22 49	6 10
10	12 2 8.37	2 21.05	0 52 13.7	15 32.2	0.413486	22 48	6 9
11	12 4 29.42	2 21.09	0 36 41.5	15 32.5	0.412918	22 46	6 7
12	12 6 50.51	+2 21.13	0 21 9.0	−15 32.6	0.412338	22 44	6 6
13	12 9 11.64	2 21.19	+0 5 36.4	15 32.7	0.411747	22 43	6 4
14	12 11 32.83	2 21.25	−0 9 56.3	15 32.7	0.411145	22 41	6 3
15	12 13 54.08	2 21.32	0 25 29.0	15 32.6	0.410531	22 40	6 1
16	12 16 15.40	2 21.39	0 41 1.6	15 32.5	0.409905	22 38	6 0
17	12 18 36.79	+2 21.48	0 56 34.1	−15 32.3	0.409267	22 36	5 59
18	12 20 58.27	2 21.57	−1 12 6.4	15 32.0	0.408618	22 35	5 57
19	12 23 19.84	2 21.66	1 27 38.4	15 31.5	0.407957	22 33	5 56
20	12 25 41.50	2 21.75	1 43 9.9	15 30.8	0.407284	22 32	5 54
21	12 28 3.25	2 21.85	1 58 40.7	15 30.2	0.406599	22 30	5 53
22	12 30 25.10	+2 21.95	2 14 10.9	−15 29.5	0.405902	22 29	5 52
23	12 32 47.05	2 22.07	−2 29 40.4	15 28.7	0.405192	22 27	5 51
24	12 35 9.12	2 22.19	2 45 9.1	15 27.7	0.404470	22 25	5 49
25	12 37 31.31	2 22.31	3 0 36.8	15 26.6	0.403737	22 24	5 48
26	12 39 53.62	2 22.43	3 16 3.4	15 25.4	0.402991	22 22	5 47
27	12 42 16.05	+2 22.56	3 31 28.8	−15 24.1	0.402233	22 21	5 45
28	12 44 38.61	2 22.69	−3 46 52.9	15 22.7	0.401463	22 19	5 44
29	12 47 1.30	2 22.83	4 2 15.6	15 21.3	0.400681	22 18	5 43
30	12 49 24.13	2 22.98	4 17 36.9	15 19.8	0.399887	22 16	5 41
31	12 51 47.11	2 23.13	4 32 56.7	15 18.0	0.399081	22 14	5 40
Nov. 1	12 54 10.24		4 48 14.7		0.398263	22 13	5 39

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR. h m s	Diff. m s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
Okt. 31	12 51 47.11	+2 23.13	− 4 32 56.7	−15 18.0	0.399081	22 14	5 40
Nov. 1	12 54 10.24	2 23.28	4 48 14.7	15 16.1	0.398263	22 13	5 39
2	12 56 33.52	2 23.45	5 3 30.8	15 14.2	0.397433	22 11	5 37
3	12 58 56.97	2 23.62	5 18 45.0	15 12.3	0.396591	22 10	5 36
4	13 1 20.59	+2 23.80	5 33 57.3	−15 10.2	0.395737	22 8	5 35
5	13 3 44.39	2 23.98	− 5 49 7.5	15 8.0	0.394871	22 7	5 33
6	13 6 8.37	2 24.18	6 4 15.5	15 5.8	0.393994	22 5	5 32
7	13 8 32.55	2 24.38	6 19 21.3	15 3.5	0.393105	22 4	5 30
8	13 10 56.93	2 24.58	6 34 24.8	15 1.0	0.392204	22 2	5 29
9	13 13 21.51	+2 24.80	6 49 25.8	−14 58.5	0.391290	22 0	5 28
10	13 15 46.31	2 25.03	− 7 4 24.3	14 56.0	0.390365	21 59	5 26
11	13 18 11.34	2 25.26	7 19 20.3	14 53.2	0.389428	21 57	5 25
12	13 20 36.60	2 25.49	7 34 13.5	14 50.4	0.388479	21 56	5 24
13	13 23 2.09	2 25.72	7 49 3.9	14 47.5	0.387517	21 54	5 22
14	13 25 27.81	+2 25.97	8 3 51.4	−14 44.5	0.386543	21 53	5 21
15	13 27 53.78	2 26.22	− 8 18 35.9	14 41.4	0.385557	21 51	5 20
16	13 30 20.00	2 26.47	8 33 17.3	14 38.2	0.384559	21 50	5 18
17	13 32 46.47	2 26.73	8 47 55.5	14 34.8	0.383548	21 48	5 17
18	13 35 13.20	2 26.99	9 2 30.3	14 31.4	0.382525	21 47	5 16
19	13 37 40.19	+2 27.25	9 17 1.7	−14 27.9	0.381489	21 45	5 15
20	13 40 7.44	2 27.52	− 9 31 29.6	14 24.2	0.380440	21 44	5 13
21	13 42 34.96	2 27.80	9 45 53.8	14 20.4	0.379379	21 42	5 12
22	13 45 2.76	2 28.08	10 0 14.2	14 16.6	0.378305	21 41	5 11
23	13 47 30.84	2 28.35	10 14 30.8	14 12.6	0.377219	21 39	5 9
24	13 49 59.19	+2 28.63	10 28 43.4	−14 8.4	0.376120	21 38	5 8
25	13 52 27.82	2 28.91	−10 42 51.8	14 4.1	0.375009	21 37	5 7
26	13 54 56.73	2 29.20	10 56 55.9	13 59.8	0.373885	21 35	5 5
27	13 57 25.93	2 29.50	11 10 55.7	13 55.4	0.372748	21 34	5 4
28	13 59 55.43	2 29.79	11 24 51.1	13 50.8	0.371599	21 32	5 3
29	14 2 25.22	+2 30.09	11 38 41.9	−13 46.0	0.370437	21 31	5 2
30	14 4 55.31	2 30.39	−11 52 27.9	13 41.2	0.369263	21 29	5 0
Dez. 1	14 7 25.70	2 30.70	12 6 9.1	13 36.3	0.368076	21 28	4 59
2	14 9 56.40	2 31.02	12 19 45.4	13 31.4	0.366877	21 26	4 58
3	14 12 27.42	2 31.34	12 33 16.8	13 26.3	0.365666	21 25	4 56
4	14 14 58.76	+2 31.67	12 46 43.1	−13 21.1	0.364443	21 24	4 55
5	14 17 30.43	2 32.00	−13 0 4.2	13 15.8	0.363208	21 22	4 54
6	14 20 2.43	2 32.34	13 13 20.0	13 10.4	0.361960	21 21	4 53
7	14 22 34.77	2 32.68	13 26 30.4	13 4.9	0.360700	21 19	4 51
8	14 25 7.45	2 33.02	13 39 35.3	12 59.3	0.359428	21 18	4 50
9	14 27 40.47		13 52 34.6		0.358143	21 17	4 49

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Dez. 8	14 25 7.45	+2 33.02	−13 39 35.3	−12 59.3	0.359428	21 18	4 50
9	14 27 40.47	2 33.37	13 52 34.6	12 53.7	0.358143	21 17	4 49
10	14 30 13.84	2 33.72	14 5 28.3	12 47.9	0.356846	21 15	4 48
11	14 32 47.56	2 34.08	14 18 16.2	12 42.0	0.355536	21 14	4 46
12	14 35 21.64	+2 34.45	14 30 58.2	−12 36.0	0.354213	21 12	4 45
13	14 37 56.09	2 34.81	−14 43 34.2	12 29.8	0.352878	21 11	4 44
14	14 40 30.90	2 35.18	14 56 4.0	12 23.6	0.351531	21 10	4 43
15	14 43 6.08	2 35.55	15 8 27.6	12 17.3	0.350171	21 8	4 41
16	14 45 41.63	2 35.91	15 20 44.9	12 10.8	0.348798	21 7	4 40
17	14 48 17.54	+2 36.27	15 32 55.7	−12 4.3	0.347412	21 6	4 39
18	14 50 53.81	2 36.64	−15 45 0.0	11 57.6	0.346013	21 4	4 38
19	14 53 30.45	2 37.01	15 56 57.6	11 50.8	0.344601	21 3	4 37
20	14 56 7.46	2 37.38	16 8 48.4	11 43.8	0.343176	21 2	4 35
21	14 58 44.84	2 37.75	16 20 32.2	11 36.7	0.341739	21 0	4 34
22	15 1 22.59	+2 38.12	16 32 8.9	−11 29.6	0.340289	20 59	4 33
23	15 4 0.71	2 38.49	−16 43 38.5	11 22.3	0.338826	20 58	4 32
24	15 6 39.20	2 38.86	16 55 0.8	11 14.9	0.337350	20 56	4 31
25	15 9 18.06	2 39.22	17 6 15.7	11 7.4	0.335861	20 55	4 30
26	15 11 57.28	2 39.58	17 17 23.1	10 59.8	0.334359	20 54	4 28
27	15 14 36.86	+2 39.94	17 28 22.9	−10 52.0	0.332844	20 52	4 27
28	15 17 16.80	2 40.31	−17 39 14.9	10 44.2	0.331317	20 51	4 26
29	15 19 57.11	2 40.67	17 49 59.1	10 36.3	0.329777	20 50	4 25
30	15 22 37.78	2 41.04	18 0 35.4	10 28.2	0.328225	20 49	4 24
31	15 25 18.82	2 41.42	18 11 3.6	10 20.1	0.326660	20 47	4 23
32	15 28 0.24	+2 41.79	18 21 23.7	−10 11.9	0.325083	20 46	4 22
33	15 30 42.03		−18 31 35.6		0.323494	20 45	4 21

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Jan. 1	8 58 49.06	−0 47.27	+17 52 10.5	+3 41.0	0.647055	14 20	7 44
3	8 58 1.79	0 49.59	17 55 51.5	3 49.2	0.645480	14 11	7 44
5	8 57 12.20	0 51.75	17 59 40.7	3 56.8	0.644006	14 3	7 44
7	8 56 20.45	0 53.78	18 3 37.5	4 3.5	0.642635	13 54	7 45
9	8 55 26.67	−0 55.66	18 7 41.0	+4 9.5	0.641372	13 45	7 45
11	8 54 31.01	0 57.38	+18 11 50.5	4 14.6	0.640220	13 36	7 46
13	8 53 33.63	0 58.94	18 16 5.1	4 19.0	0.639183	13 27	7 46
15	8 52 34.69	1 0.34	18 20 24.1	4 22.6	0.638262	13 19	7 47
17	8 51 34.35	1 1.56	18 24 46.7	4 25.5	0.637460	13 10	7 47
19	8 50 32.79	−1 2.62	18 29 12.2	+4 27.5	0.636779	13 1	7 48
21	8 49 30.17	1 3.50	+18 33 39.7	4 28.7	0.636220	12 52	7 48
23	8 48 26.67	1 4.20	18 38 8.4	4 29.1	0.635786	12 43	7 49
25	8 47 22.47	1 4.72	18 42 37.5	4 28.7	0.635478	12 34	7 49
27	8 46 17.75	1 5.04	18 47 6.2	4 27.5	0.635297	12 25	7 50
29	8 45 12.71	−1 5.16	18 51 33.7	+4 25.4	0.635244	12 16	7 50
31	8 44 7.55	1 5.07	+18 55 59.1	4 22.6	0.635319	12 7	7 51
Febr. 2	8 43 2.48	1 4.78	19 0 21.7	4 19.1	0.635523	11 58	7 51
4	8 41 57.70	1 4.28	19 4 40.8	4 14.8	0.635855	11 49	7 52
6	8 40 53.42	1 3.59	19 8 55.6	4 9.7	0.636313	11 40	7 52
8	8 39 49.83	−1 2.69	19 13 5.3	+4 4.0	0.636896	11 31	7 52
10	8 38 47.14	1 1.62	+19 17 9.3	3 57.7	0.637603	11 22	7 53
12	8 37 45.52	1 0.37	19 21 7.0	3 50.8	0.638430	11 13	7 53
14	8 36 45.15	0 58.96	19 24 57.8	3 43.5	0.639376	11 4	7 54
16	8 35 46.19	0 57.40	19 28 41.3	3 35.6	0.640438	10 56	7 54
18	8 34 48.79	−0 55.67	19 32 16.9	+3 27.2	0.641613	10 47	7 55
20	8 33 53.12	0 53.79	+19 35 44.1	3 18.5	0.642898	10 38	7 55
22	8 32 59.33	0 51.77	19 39 2.6	3 9.3	0.644289	10 29	7 55
24	8 32 7.56	0 49.61	19 42 11.9	2 59.8	0.645784	10 21	7 56
26	8 31 17.95	0 47.31	19 45 11.7	2 50.1	0.647378	10 12	7 56
28	8 30 30.64	−0 44.88	19 48 1.8	+2 39.9	0.649069	10 3	7 56
März 1	8 29 45.76	0 42.34	+19 50 41.7	2 29.6	0.650852	9 54	7 57
3	8 29 3.42	0 39.69	19 53 11.3	2 19.0	0.652724	9 46	7 57
5	8 28 23.73	0 36.94	19 55 30.3	2 8.2	0.654679	9 37	7 57
7	8 27 46.79	0 34.09	19 57 38.5	1 57.2	0.656713	9 29	7 57
9	8 27 12.70	−0 31.17	19 59 35.7	+1 46.2	0.658821	9 20	7 58
11	8 26 41.53	0 28.21	+20 1 21.9	1 35.2	0.660999	9 12	7 58
13	8 26 13.32	0 25.21	20 2 57.1	1 24.1	0.663241	9 4	7 58
15	8 25 48.11	0 22.16	20 4 21.2	1 12.9	0.665542	8 55	7 58
17	8 25 25.95	0 19.07	20 5 34.1	1 1.8	0.667899	8 47	7 58
19	8 25 6.88		20 6 35.9		0.670307	8 39	7 58

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
März 17	8h 25m 25.95s	−0m 19.07s	+20° 5′ 34.1″	+1′ 1.8″	0.667899	8h 47m	7h 58m
19	8 25 6.88	0 15.96	20 6 35.9	0 50.5	0.670307	8 39	7 58
21	8 24 50.92	0 12.83	20 7 26.4	0 39.4	0.672762	8 31	7 59
23	8 24 38.09	0 9.69	20 8 5.8	0 28.3	0.675261	8 22	7 59
25	8 24 28.40	−0 6.53	20 8 34.1	+0 17.2	0.677798	8 14	7 59
27	8 24 21.87	0 3.35	+20 8 51.3	+0 6.2	0.680370	8 6	7 59
29	8 24 18.52	−0 0.18	20 8 57.5	−0 4.9	0.682973	7 59	7 59
31	8 24 18.34	+0 3.00	20 8 52.6	0 15.8	0.685602	7 51	7 59
April 2	8 24 21.34	0 6.15	20 8 36.8	0 26.7	0.688254	7 43	7 59
4	8 24 27.49	+0 9.29	20 8 10.1	−0 37.5	0.690924	7 35	7 59
6	8 24 36.78	0 12.39	+20 7 32.6	0 48.3	0.693608	7 27	7 59
8	8 24 49.17	0 15.45	20 6 44.3	0 58.9	0.696303	7 20	7 59
10	8 25 4.62	0 18.47	20 5 45.4	1 9.4	0.699005	7 12	7 58
12	8 25 23.09	0 21.44	20 4 36.0	1 19.8	0.701711	7 4	7 58
14	8 25 44.53	+0 24.36	20 3 16.2	−1 30.1	0.704418	6 57	7 58
16	8 26 8.89	0 27.24	+20 1 46.1	1 40.2	0.707122	6 49	7 58
18	8 26 36.13	0 30.06	20 0 5.9	1 50.3	0.709821	6 42	7 58
20	8 27 6.19	0 32.85	19 58 15.6	2 0.3	0.712512	6 35	7 58
22	8 27 39.04	0 35.58	19 56 15.3	2 10.3	0.715193	6 27	7 57
24	8 28 14.62	+0 38.27	19 54 5.0	−2 20.1	0.717862	6 20	7 57
26	8 28 52.89	0 40.92	+19 51 44.9	2 29.8	0.720516	6 13	7 57
28	8 29 33.81	0 43.51	19 49 15.1	2 39.5	0.723152	6 5	7 57
30	8 30 17.32	0 46.03	19 46 35.6	2 49.1	0.725768	5 58	7 56
Mai 2	8 31 3.35	0 48.50	19 43 46.5	2 58.6	0.728361	5 51	7 56
4	8 31 51.85	+0 50.91	19 40 47.9	−3 7.9	0.730930	5 44	7 56
6	8 32 42.76	0 53.25	+19 37 40.0	3 17.1	0.733472	5 37	7 55
8	8 33 36.01	0 55.52	19 34 22.9	3 26.4	0.735986	5 30	7 55
10	8 34 31.53	0 57.72	19 30 56.5	3 35.5	0.738469	5 23	7 54
12	8 35 29.25	0 59.85	19 27 21.0	3 44.4	0.740920	5 16	7 54
14	8 36 29.10	+1 1.93	19 23 36.6	−3 53.2	0.743338	5 9	7 54
16	8 37 31.03	1 3.94	+19 19 43.4	4 2.0	0.745722	5 2	7 53
18	8 38 34.97	1 5.90	19 15 41.4	4 10.6	0.748070	4 56	7 53
20	8 39 40.87	1 7.81	19 11 30.8	4 19.2	0.750381	4 49	7 52
22	8 40 48.68	1 9.66	19 7 11.6	4 27.7	0.752655	4 42	7 52
24	8 41 58.34	+1 11.45	19 2 43.9	−4 36.2	0.754889	4 35	7 51
26	8 43 9.79	1 13.19	+18 58 7.7	4 44.6	0.757083	4 29	7 51
28	8 44 22.98	1 14.88	18 53 23.1	4 52.7	0.759236	4 22	7 50
30	8 45 37.86	1 16.50	18 48 30.4	5 0.9	0.761346	4 15	7 50
Juni 1	8 46 54.36	1 18.07	18 43 29.5	5 9.0	0.763412	4 9	7 49
3	8 48 12.43		18 38 20.5		0.765434	4 2	7 49

Wahrer geozentrischer Ort.

0^h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	m s	° ′ ″	′ ″		h m	h m
Juni	1	8 46 54.36	+1 18.07	+18 43 29.5	−5 9.0	0.763412	4 9	7 49
	3	8 48 12.43	1 19.56	18 38 20.5	5 16.9	0.765434	4 2	7 49
	5	8 49 31.99	1 21.00	18 33 3.6	5 24.7	0.767410	3 56	7 48
	7	8 50 52.99	1 22.37	18 27 38.9	5 32.5	0.769339	3 49	7 48
	9	8 52 15.36	+1 23.70	18 22 6.4	−5 40.0	0.771221	3 43	7 47
	11	8 53 39.06	1 24.97	+18 16 26.4	5 47.5	0.773056	3 36	7 46
	13	8 55 4.03	1 26.18	18 10 38.9	5 54.8	0.774843	3 30	7 46
	15	8 56 30.21	1 27.35	18 4 44.1	6 2.1	0.776582	3 23	7 45
	17	8 57 57.56	1 28.47	17 58 42.0	6 9.2	0.778272	3 17	7 44
	19	8 59 26.03	+1 29.55	17 52 32.8	−6 16.3	0.779913	3 10	7 44
	21	9 0 55.58	1 30.59	+17 46 16.5	6 23.3	0.781505	3 4	7 43
	23	9 2 26.17	1 31.58	17 39 53.2	6 30.1	0.783046	2 58	7 42
	25	9 3 57.75	1 32.52	17 33 23.1	6 36.9	0.784536	2 51	7 42
	27	9 5 30.27	1 33.42	17 26 46.2	6 43.5	0.785975	2 45	7 41
	29	9 7 3.69	+1 34.26	17 20 2.7	−6 50.0	0.787362	2 39	7 40
Juli	1	9 8 37.95	1 35.05	+17 13 12.7	6 56.4	0.788696	2 32	7 40
	3	9 10 13.00	1 35.80	17 6 16.3	7 2.5	0.789978	2 26	7 39
	5	9 11 48.80	1 36.49	16 59 13.8	7 8.5	0.791207	2 20	7 38
	7	9 13 25.29	1 37.15	16 52 5.3	7 14.4	0.792383	2 13	7 37
	9	9 15 2.44	+1 37.75	16 44 50.9	−7 20.1	0.793505	2 7	7 37
	11	9 16 40.19	1 38.31	+16 37 30.8	7 25.6	0.794574	2 1	7 36
	13	9 18 18.50	1 38.84	16 30 5.2	7 31.1	0.795589	1 55	7 35
	15	9 19 57.34	1 39.33	16 22 34.1	7 36.3	0.796551	1 48	7 34
	17	9 21 36.67	1 39.79	16 14 57.8	7 41.5	0.797459	1 42	7 33
	19	9 23 16.46	+1 40.22	16 7 16.3	−7 46.5	0.798313	1 36	7 33
	21	9 24 56.68	1 40.61	+15 59 29.8	7 51.3	0.799112	1 30	7 32
	23	9 26 37.29	1 40.96	15 51 38.5	7 56.1	0.799857	1 23	7 31
	25	9 28 18.25	1 41.26	15 43 42.4	8 0.6	0.800547	1 17	7 30
	27	9 29 59.51	1 41.53	15 35 41.8	8 5.0	0.801182	1 11	7 29
	29	9 31 41.04	+1 41.75	15 27 36.8	−8 9.1	0.801761	1 5	7 29
	31	9 33 22.79	1 41.94	+15 19 27.7	8 13.1	0.802284	0 59	7 28
Aug.	2	9 35 4.73	1 42.08	15 11 14.6	8 16.8	0.802752	0 53	7 27
	4	9 36 46.81	1 42.18	15 2 57.8	8 20.3	0.803164	0 46	7 26
	6	9 38 28.99	1 42.25	14 54 37.5	8 23.6	0.803520	0 40	7 25
	8	9 40 11.24	+1 42.28	14 46 13.9	−8 26.8	0.803820	0 34	7 24
	10	9 41 53.52	1 42.28	+14 37 47.1	8 29.7	0.804064	0 28	7 24
	12	9 43 35.80	1 42.25	14 29 17.4	8 32.4	0.804253	0 22	7 23
	14	9 45 18.05	1 42.19	14 20 45.0	8 35.0	0.804386	0 15	7 22
	16	9 47 0.24	1 42.11	14 12 10.0	8 37.4	0.804464	0 9	7 21
	18	9 48 42.35		14 3 32.6		0.804485	0 3	7 20

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Aug. 16	9 47 0.24	+1 42.11	+14 12 10.0	−8 37.4	0.804464	0 9	7 21
18	9 48 42.35	1 41.99	14 3 32.6	8 39.6	0.804485	0 3	7 20
20	9 50 24.34	1 41.83	13 54 53.0	8 41.4	0.804450	23 57	7 19
22	9 52 6.17	1 41.64	13 46 11.6	8 43.2	0.804359	23 51	7 18
24	9 53 47.81	+1 41.41	13 37 28.4	−8 44.7	0.804211	23 44	7 18
26	9 55 29.22	1 41.13	+13 28 43.7	8 45.9	0.804007	23 38	7 17
28	9 57 10.35	1 40.82	13 19 57.8	8 46.8	0.803746	23 32	7 16
30	9 58 51.17	1 40.47	13 11 11.0	8 47.5	0.803428	23 26	7 15
Sept. 1	10 0 31.64	1 40.08	13 2 23.5	8 47.9	0.803053	23 20	7 14
3	10 2 11.72	+1 39.65	12 53 35.6	−8 48.1	0.802621	23 13	7 13
5	10 3 51.37	1 39.19	+12 44 47.5	8 47.9	0.802133	23 7	7 12
7	10 5 30.56	1 38.70	12 35 59.6	8 47.5	0.801588	23 1	7 12
9	10 7 9.26	1 38.18	12 27 12.1	8 46.9	0.800988	22 55	7 11
11	10 8 47.44	1 37.63	12 18 25.2	8 46.1	0.800332	22 49	7 10
13	10 10 25.07	+1 37.05	12 9 39.1	−8 44.9	0.799620	22 42	7 9
15	10 12 2.12	1 36.44	+12 0 54.2	8 43.6	0.798852	22 36	7 8
17	10 13 38.56	1 35.78	11 52 10.6	8 41.9	0.798028	22 30	7 7
19	10 15 14.34	1 35.08	11 43 28.7	8 40.0	0.797148	22 23	7 7
21	10 16 49.42	1 34.34	11 34 48.7	8 37.7	0.796212	22 17	7 6
23	10 18 23.76	+1 33.56	11 26 11.0	−8 35.0	0.795220	22 11	7 5
25	10 19 57.32	1 32.73	+11 17 36.0	8 32.1	0.794172	22 4	7 4
27	10 21 30.05	1 31.86	11 9 3.9	8 28.8	0.793068	21 58	7 3
29	10 23 1.91	1 30.96	11 0 35.1	8 25.2	0.791909	21 52	7 2
Okt. 1	10 24 32.87	1 30.00	10 52 9.9	8 21.2	0.790694	21 45	7 2
3	10 26 2.87	+1 29.01	10 43 48.7	−8 16.9	0.789425	21 39	7 1
5	10 27 31.88	1 27.98	+10 35 31.8	8 12.3	0.788102	21 33	7 0
7	10 28 59.86	1 26.91	10 27 19.5	8 7.5	0.786725	21 26	6 59
9	10 30 26.77	1 25.81	10 19 12.0	8 2.3	0.785296	21 20	6 59
11	10 31 52.58	1 24.67	10 11 9.7	7 56.7	0.783814	21 13	6 58
13	10 33 17.25	+1 23.49	10 3 13.0	−7 50.9	0.782279	21 7	6 57
15	10 34 40.74	1 22.26	+9 55 22.1	7 44.6	0.780692	21 0	6 56
17	10 36 3.00	1 20.99	9 47 37.5	7 38.0	0.779052	20 54	6 56
19	10 37 23.99	1 19.66	9 39 59.5	7 31.1	0.777361	20 47	6 55
21	10 38 43.65	1 18.28	9 32 28.4	7 23.7	0.775618	20 41	6 54
23	10 40 1.93	+1 16.85	9 25 4.7	−7 15.9	0.773825	20 34	6 54
25	10 41 18.78	1 15.37	+9 17 48.8	7 7.7	0.771982	20 28	6 53
27	10 42 34.15	1 13.83	9 10 41.1	6 59.2	0.770090	20 21	6 52
29	10 43 47.98	1 12.25	9 3 41.9	6 50.2	0.768151	20 14	6 52
31	10 45 0.23	1 10.62	8 56 51.7	6 40.9	0.766165	20 8	6 51
Nov. 2	10 46 10.85		8 50 10.8		0.764132	20 1	6 50

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Okt. 31	10 45 0.23	+1 10.62	+8 56 51.7	−6 40.9	0.766165	20 8	6 51
Nov. 2	10 46 10.85	1 8.94	8 50 10.8	6 31.2	0.764132	20 1	6 50
4	10 47 19.79	1 7.23	8 43 39.6	6 21.2	0.762055	19 54	6 50
6	10 48 27.02	1 5.47	8 37 18.4	6 10.7	0.759934	19 47	6 49
8	10 49 32.49	+1 3.65	8 31 7.7	−6 0.0	0.757771	19 41	6 49
10	10 50 36.14	1 1.79	+8 25 7.7	5 48.9	0.755566	19 34	6 48
12	10 51 37.93	0 59.89	8 19 18.8	5 37.4	0.753321	19 27	6 48
14	10 52 37.82	0 57.92	8 13 41.4	5 25.5	0.751036	19 20	6 47
16	10 53 35.74	0 55.89	8 8 15.9	5 13.2	0.748713	19 13	6 47
18	10 54 31.63	+0 53.81	8 3 2.7	−5 0.4	0.746354	19 6	6 46
20	10 55 25.44	0 51.66	+7 58 2.3	4 47.3	0.743960	18 59	6 46
22	10 56 17.10	0 49.46	7 53 15.0	4 33.7	0.741532	18 52	6 45
24	10 57 6.56	0 47.22	7 48 41.3	4 19.7	0.739073	18 45	6 45
26	10 57 53.78	0 44.91	7 44 21.6	4 5.5	0.736585	18 38	6 44
28	10 58 38.69	+0 42.56	7 40 16.1	−3 50.8	0.734070	18 31	6 44
30	10 59 21.25	0 40.18	+7 36 25.3	3 35.9	0.731530	18 24	6 44
Dez. 2	11 0 1.43	0 37.74	7 32 49.4	3 20.6	0.728968	18 17	6 43
4	11 0 39.17	0 35.27	7 29 28.8	3 5.1	0.726386	18 9	6 43
6	11 1 14.44	0 32.75	7 26 23.7	2 49.3	0.723787	18 2	6 43
8	11 1 47.19	+0 30.20	7 23 34.4	−2 33.2	0.721172	17 55	6 43
10	11 2 17.39	0 27.59	+7 21 1.2	2 16.8	0.718544	17 47	6 42
12	11 2 44.98	0 24.94	7 18 44.4	2 0.1	0.715907	17 40	6 42
14	11 3 9.92	0 22.25	7 16 44.3	1 43.2	0.713262	17 32	6 42
16	11 3 32.17	0 19.51	7 15 1.1	1 26.0	0.710613	17 25	6 42
18	11 3 51.68	+0 16.74	7 13 35.1	−1 8.6	0.707962	17 17	6 42
20	11 4 8.42	0 13.92	+7 12 26.5	0 50.9	0.705314	17 10	6 42
22	11 4 22.34	0 11.08	7 11 35.6	0 33.2	0.702672	17 2	6 41
24	11 4 33.42	0 8.23	7 11 2.4	−0 15.2	0.700039	16 54	6 41
26	11 4 41.65	0 5.36	7 10 47.2	+0 2.8	0.697420	16 47	6 41
28	11 4 47.01	+0 2.48	7 10 50.0	+0 20.8	0.694819	16 39	6 41
30	11 4 49.49	−0 0.41	+7 11 10.8	0 38.7	0.692239	16 31	6 41
32	11 4 49.08	0 3.28	7 11 49.5	0 56.7	0.689685	16 23	6 42
34	11 4 45.80		7 12 46.2		0.687161	16 15	6 42

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	′ ″		h m	h m
Jan. 1	23 33 44.06	+28.17	−5 13 38.8	+3 24.7	0.991182	4 55	5 36
3	23 34 12.23	29.49	5 10 14.1	3 32.7	0.992573	4 47	5 37
5	23 34 41.72	30.77	5 6 41.4	3 40.6	0.993943	4 40	5 37
7	23 35 12.49	32.02	5 3 0.8	3 48.2	0.995290	4 32	5 37
9	23 35 44.51	+33.24	4 59 12.6	+3 55.5	0.996613	4 25	5 38
11	23 36 17.75	34.42	−4 55 17.1	4 2.8	0.997912	4 18	5 38
13	23 36 52.17	35.57	4 51 14.3	4 9.7	0.999185	4 11	5 38
15	23 37 27.74	36.69	4 47 4.6	4 16.5	1.000432	4 3	5 39
17	23 38 4.43	37.78	4 42 48.1	4 23.0	1.001651	3 56	5 39
19	23 38 42.21	+38.83	4 38 25.1	+4 29.3	1.002841	3 49	5 39
21	23 39 21.04	39.86	−4 33 55.8	4 35.5	1.004001	3 42	5 40
23	23 40 0.90	40.86	4 29 20.3	4 41.4	1.005131	3 34	5 40
25	23 40 41.76	41.82	4 24 38.9	4 47.0	1.006230	3 27	5 41
27	23 41 23.58	42.75	4 19 51.9	4 52.5	1.007297	3 20	5 41
29	23 42 6.33	+43.66	4 14 59.4	+4 57.8	1.008331	3 13	5 41
31	23 42 49.99	44.53	−4 10 1.6	5 2.9	1.009331	3 6	5 42
Febr. 2	23 43 34.52	45.35	4 4 58.7	5 7.6	1.010296	2 59	5 42
4	23 44 19.87	46.15	3 59 51.1	5 12.2	1.011226	2 51	5 43
6	23 45 6.02	46.90	3 54 38.9	5 16.6	1.012120	2 44	5 43
8	23 45 52.92	+47.62	3 49 22.3	+5 20.6	1.012978	2 37	5 44
10	23 46 40.54	48.31	−3 44 1.7	5 24.5	1.013798	2 30	5 44
12	23 47 28.85	48.95	3 38 37.2	5 28.0	1.014580	2 23	5 45
14	23 48 17.80	49.56	3 33 9.2	5 31.3	1.015325	2 16	5 45
16	23 49 7.36	50.14	3 27 37.9	5 34.5	1.016031	2 9	5 46
18	23 49 57.50	+50.69	3 22 3.4	+5 37.4	1.016698	2 2	5 46
20	23 50 48.19	51.20	−3 16 26.0	5 40.1	1.017326	1 55	5 47
22	23 51 39.39	51.69	3 10 45.9	5 42.6	1.017915	1 48	5 47
24	23 52 31.08	52.15	3 5 3.3	5 44.8	1.018465	1 41	5 48
26	23 53 23.23	52.56	2 59 18.5	5 46.9	1.018974	1 34	5 48
28	23 54 15.79	+52.95	2 53 31.6	+5 48.7	1.019443	1 27	5 49
März 1	23 55 8.74	53.29	−2 47 42.9	5 50.2	1.019871	1 20	5 49
3	23 56 2.03	53.61	2 41 52.7	5 51.6	1.020258	1 13	5 50
5	23 56 55.64	53.88	2 36 1.1	5 52.6	1.020604	1 6	5 50
7	23 57 49.52	54.12	2 30 8.5	5 53.5	1.020908	0 59	5 51
9	23 58 43.64	+54.33	2 24 15.0	+5 54.1	1.021170	0 52	5 51
11	23 59 37.97	54.50	−2 18 20.9	5 54.5	1.021392	0 45	5 52
13	0 0 32.47	54.63	2 12 26.4	5 54.7	1.021572	0 38	5 52
15	0 1 27.10	54.74	2 6 31.7	5 54.6	1.021710	0 31	5 53
17	0 2 21.84	54.82	2 0 37.1	5 54.3	1.021806	0 24	5 53
19	0 3 16.66		1 54 42.8		1.021861	0 17	5 54

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR. h m s	Diff. s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
März 17	0 2 21.84	+54.82	−2 0 37.1	+5 54.3	1.021806	0 24	5 53
19	0 3 16.66	54.87	1 54 42.8	5 53.8	1.021861	0 17	5 54
21	0 4 11.53	54.89	1 48 49.0	5 53.1	1.021875	0 10	5 54
23	0 5 6.42	54.87	1 42 55.9	5 52.3	1.021848	0 3	5 55
25	0 6 1.29	+54.83	1 37 3.6	+5 51.2	1.021779	23 56	5 55
27	0 6 56.12	54.75	−1 31 12.4	5 49.9	1.021669	23 49	5 56
29	0 7 50.87	54.64	1 25 22.5	5 48.4	1.021518	23 42	5 56
31	0 8 45.51	54.49	1 19 34.1	5 46.6	1.021324	23 35	5 57
April 2	0 9 40.00	54.31	1 13 47.5	5 44.6	1.021090	23 28	5 57
4	0 10 34.31	+54.09	1 8 2.9	+5 42.3	1.020815	23 21	5 58
6	0 11 28.40	53.85	−1 2 20.6	5 39.9	1.020499	23 14	5 58
8	0 12 22.25	53.56	0 56 40.7	5 37.3	1.020143	23 7	5 59
10	0 13 15.81	53.25	0 51 3.4	5 34.4	1.019746	23 0	5 59
12	0 14 9.06	52.91	0 45 29.0	5 31.3	1.019310	22 53	6 0
14	0 15 1.97	+52.55	0 39 57.7	+5 28.1	1.018834	22 46	6 0
16	0 15 54.52	52.15	−0 34 29.6	5 24.7	1.018320	22 39	6 1
18	0 16 46.67	51.73	0 29 4.9	5 21.0	1.017767	22 32	6 1
20	0 17 38.40	51.28	0 23 43.9	5 17.2	1.017176	22 25	6 2
22	0 18 29.68	50.80	0 18 26.7	5 13.3	1.016546	22 18	6 2
24	0 19 20.48	+50.28	0 13 13.4	+5 9.1	1.015879	22 11	6 2
26	0 20 10.76	49.73	−0 8 4.3	5 4.7	1.015174	22 4	6 3
28	0 21 0.49	49.15	−0 2 59.6	5 0.1	1.014432	21 57	6 3
30	0 21 49.64	48.53	+0 2 0.5	4 55.3	1.013653	21 50	6 4
Mai 2	0 22 38.17	47.88	0 6 55.8	4 50.3	1.012837	21 43	6 4
4	0 23 26.05	+47.20	0 11 46.1	+4 45.0	1.011986	21 36	6 5
6	0 24 13.25	46.50	+0 16 31.1	4 39.5	1.011101	21 29	6 5
8	0 24 59.75	45.76	0 21 10.6	4 34.0	1.010181	21 21	6 5
10	0 25 45.51	45.00	0 25 44.6	4 28.2	1.009228	21 14	6 6
12	0 26 30.51	44.21	0 30 12.8	4 22.3	1.008242	21 7	6 6
14	0 27 14.72	+43.39	0 34 35.1	+4 16.2	1.007224	21 0	6 7
16	0 27 58.11	42.55	+0 38 51.3	4 9.9	1.006174	20 53	6 7
18	0 28 40.66	41.67	0 43 1.2	4 3.5	1.005093	20 46	6 7
20	0 29 22.33	40.77	0 47 4.7	3 56.9	1.003982	20 39	6 8
22	0 30 3.10	39.84	0 51 1.6	3 50.2	1.002841	20 31	6 8
24	0 30 42.94	+38.88	0 54 51.8	+3 43.3	1.001671	20 24	6 8
26	0 31 21.82	37.89	+0 58 35.1	3 36.1	1.000473	20 17	6 9
28	0 31 59.71	36.86	1 2 11.2	3 28.9	0.999247	20 10	6 9
30	0 32 36.57	35.81	1 5 40.1	3 21.4	0.997995	20 2	6 9
Juni 1	0 33 12.38	34.73	1 9 1.5	3 13.7	0.996717	19 55	6 10
3	0 33 47.11		1 12 15.2		0.995415	19 48	6 10

Wahrer geozentrischer Ort.

0^h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	s	° ′ ″	′ ″		h m	h m
Juni	1	0 33 12.38	+34.73	+1 9 1.5	+3 13.7	0.996717	19 55	6 10
	3	0 33 47.11	33.62	1 12 15.2	3 6.0	0.995415	19 48	6 10
	5	0 34 20.73	32.48	1 15 21.2	2 58.0	0.994090	19 40	6 10
	7	0 34 53.21	31.32	1 18 19.2	2 49.9	0.992743	19 33	6 10
	9	0 35 24.53	+30.15	1 21 9.1	+2 41.8	0.991374	19 26	6 11
	11	0 35 54.68	28.95	+1 23 50.9	2 33.5	0.989985	19 18	6 11
	13	0 36 23.63	27.72	1 26 24.4	2 25.1	0.988577	19 11	6 11
	15	0 36 51.35	26.48	1 28 49.5	2 16.6	0.987152	19 4	6 11
	17	0 37 17.83	25.20	1 31 6.1	2 8.0	0.985709	18 56	6 12
	19	0 37 43.03	+23.91	1 33 14.1	+1 59.2	0.984251	18 49	6 12
	21	0 38 6.94	22.60	+1 35 13.3	1 50.3	0.982779	18 41	6 12
	23	0 38 29.54	21.25	1 37 3.6	1 41.3	0.981293	18 34	6 12
	25	0 38 50.79	19.88	1 38 44.9	1 32.2	0.979795	18 26	6 12
	27	0 39 10.67	18.49	1 40 17.1	1 23.0	0.978287	18 19	6 12
	29	0 39 29.16	+17.09	1 41 40.1	+1 13.7	0.976770	18 11	6 12
Juli	1	0 39 46.25	15.66	+1 42 53.8	1 4.3	0.975245	18 3	6 13
	3	0 40 1.91	14.22	1 43 58.1	0 54.9	0.973715	17 56	6 13
	5	0 40 16.13	12.78	1 44 53.0	0 45.3	0.972180	17 48	6 13
	7	0 40 28.91	11.32	1 45 38.3	0 35.9	0.970643	17 40	6 13
	9	0 40 40.23	+ 9.85	1 46 14.2	+0 26.4	0.969105	17 33	6 13
	11	0 40 50.08	8.38	+1 46 40.6	0 16.9	0.967568	17 25	6 13
	13	0 40 58.46	6.89	1 46 57.5	+0 7.4	0.966033	17 17	6 13
	15	0 41 5.35	5.41	1 47 4.9	−0 2.1	0.964502	17 10	6 13
	17	0 41 10.76	3.91	1 47 2.8	0 11.6	0.962977	17 2	6 13
	19	0 41 14.67	+ 2.40	1 46 51.2	−0 21.2	0.961458	16 54	6 13
	21	0 41 17.07	+ 0.89	+1 46 30.0	0 30.7	0.959949	16 46	6 13
	23	0 41 17.96	− 0.63	1 45 59.3	0 40.3	0.958451	16 38	6 13
	25	0 41 17.33	2.15	1 45 19.0	0 49.8	0.956965	16 30	6 13
	27	0 41 15.18	3.65	1 44 29.2	0 59.1	0.955494	16 22	6 13
	29	0 41 11.53	− 5.16	1 43 30.1	−1 8.4	0.954040	16 14	6 13
	31	0 41 6.37	6.65	+1 42 21.7	1 17.6	0.952605	16 6	6 13
Aug.	2	0 40 59.72	8.13	1 41 4.1	1 26.7	0.951190	15 58	6 12
	4	0 40 51.59	9.58	1 39 37.4	1 35.5	0.949798	15 50	6 12
	6	0 40 42.01	11.02	1 38 1.9	1 44.2	0.948432	15 42	6 12
	8	0 40 30.99	−12.44	1 36 17.7	−1 52.8	0.947093	15 34	6 12
	10	0 40 18.55	13.84	+1 34 24.9	2 1.1	0.945782	15 26	6 12
	12	0 40 4.71	15.22	1 32 23.8	2 9.2	0.944501	15 18	6 12
	14	0 39 49.49	16.57	1 30 14.6	2 17.2	0.943253	15 10	6 11
	16	0 39 32.92	17.89	1 27 57.4	2 25.0	0.942038	15 2	6 11
	18	0 39 15.03		1 25 32.4		0.940860	14 54	6 11

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	″	° ′ ″	′ ″		h m	h m
Aug. 16	0 39 32.92	−17.89	+1 27 57.4	−2 25.0	0.942038	15 2	6 11
18	0 39 15.03	19.19	1 25 32.4	2 32.5	0.940860	14 54	6 11
20	0 38 55.84	20.47	1 22 59.9	2 39.8	0.939720	14 45	6 11
22	0 38 35.37	21.70	1 20 20.1	2 46.8	0.938620	14 37	6 11
24	0 38 13.67	−22.88	1 17 33.3	−2 53.6	0.937562	14 29	6 10
26	0 37 50.79	24.03	+1 14 39.7	3 0.0	0.936547	14 21	6 10
28	0 37 26.76	25.12	1 11 39.7	3 5.9	0.935578	14 12	6 10
30	0 37 1.64	26.17	1 8 33.8	3 11.6	0.934657	14 4	6 10
Sept. 1	0 36 35.47	27.16	1 5 22.2	3 16.8	0.933785	13 56	6 9
3	0 36 8.31	−28.09	1 2 5.4	−3 21.7	0.932964	13 47	6 9
5	0 35 40.22	28.96	+0 58 43.7	3 26.2	0.932195	13 39	6 9
7	0 35 11.26	29.78	0 55 17.5	3 30.2	0.931479	13 31	6 8
9	0 34 41.48	30.54	0 51 47.3	3 33.8	0.930818	13 22	6 8
11	0 34 10.94	31.24	0 48 13.5	3 37.0	0.930212	13 14	6 8
13	0 33 39.70	−31.88	0 44 36.5	−3 39.9	0.929663	13 6	6 8
15	0 33 7.82	32.46	+0 40 56.6	3 42.2	0.929173	12 57	6 7
17	0 32 35.36	32.97	0 37 14.4	3 44.2	0.928742	12 49	6 7
19	0 32 2.39	33.42	0 33 30.2	3 45.7	0.928371	12 40	6 7
21	0 31 28.97	33.78	0 29 44.5	3 46.6	0.928061	12 32	6 6
23	0 30 55.19	−34.08	0 25 57.9	−3 47.1	0.927812	12 23	6 6
25	0 30 21.11	34.30	+0 22 10.8	3 47.1	0.927626	12 15	6 6
27	0 29 46.81	34.44	0 18 23.7	3 46.6	0.927503	12 6	6 5
29	0 29 12.37	34.49	0 14 37.1	3 45.6	0.927443	11 58	6 5
Okt. 1	0 28 37.88	34.48	0 10 51.5	3 43.9	0.927446	11 50	6 5
3	0 28 3.40	−34.38	0 7 7.6	−3 41.8	0.927513	11 41	6 4
5	0 27 29.02	34.21	+0 3 25.8	3 39.3	0.927643	11 33	6 4
7	0 26 54.81	33.98	−0 0 13.5	3 36.4	0.927835	11 24	6 4
9	0 26 20.83	33.67	0 3 49.9	3 32.9	0.928090	11 16	6 3
11	0 25 47.16	33.30	0 7 22.8	3 29.1	0.928407	11 7	6 3
13	0 25 13.86	−32.85	0 10 51.9	−3 24.7	0.928784	10 59	6 3
15	0 24 41.01	32.32	−0 14 16.6	3 19.9	0.929222	10 50	6 2
17	0 24 8.69	31.73	0 17 36.5	3 14.8	0.929721	10 42	6 2
19	0 23 36.96	31.08	0 20 51.3	3 9.1	0.930279	10 34	6 2
21	0 23 5.88	30.35	0 24 0.4	3 3.1	0.930895	10 25	6 2
23	0 22 35.53	−29.55	0 27 3.5	−2 56.6	0.931568	10 17	6 1
25	0 22 5.98	28.68	−0 30 0.1	2 49.7	0.932298	10 8	6 1
27	0 21 37.30	27.74	0 32 49.8	2 42.5	0.933082	10 0	6 1
29	0 21 9.56	26.74	0 35 32.3	2 34.8	0.933920	9 52	6 1
31	0 20 42.82	25.69	0 38 7.1	2 26.9	0.934809	9 43	6 0
Nov. 2	0 20 17.13		0 40 34.0		0.935748	9 35	6 0

Wahrer geozentrischer Ort.

0^h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	s	° ′ ″	′ ″		h m	h m
Okt.	31	0 20 42.82	−25.69	−0 38 7.1	−2 26.9	0.934809	9 43	6 0
Nov.	2	0 20 17.13	24.58	0 40 34.0	2 18.6	0.935748	9 35	6 0
	4	0 19 52.55	23.43	0 42 52.6	2 10.0	0.936735	9 27	6 0
	6	0 19 29.12	22.23	0 45 2.6	2 1.3	0.937769	9 18	6 0
	8	0 19 6.89	−21.00	0 47 3.9	−1 52.3	0.938847	9 10	5 59
	10	0 18 45.89	19.72	−0 48 56.2	1 43.1	0.939967	9 2	5 59
	12	0 18 26.17	18.39	0 50 39.3	1 33.6	0.941128	8 54	5 59
	14	0 18 7.78	17.03	0 52 12.9	1 24.0	0.942328	8 46	5 59
	16	0 17 50.75	15.63	0 53 36.9	1 14.1	0.943565	8 37	5 59
	18	0 17 35.12	−14.20	0 54 51.0	−1 4.1	0.944837	8 29	5 59
	20	0 17 20.92	12.73	−0 55 55.1	0 54.0	0.946143	8 21	5 59
	22	0 17 8.19	11.23	0 56 49.1	0 43.8	0.947479	8 13	5 59
	24	0 16 56.96	9.71	0 57 32.9	0 33.2	0.948844	8 5	5 59
	26	0 16 47.25	8.16	0 58 6.1	0 22.6	0.950236	7 57	5 59
	28	0 16 39.09	− 6.61	0 58 28.7	−0 12.1	0.951652	7 49	5 59
	30	0 16 32.48	5.03	−0 58 40.8	−0 1.5	0.953090	7 41	5 59
Dez.	2	0 16 27.45	3.45	0 58 42.3	+0 9.0	0.954548	7 33	5 59
	4	0 16 24.00	1.86	0 58 33.3	0 19.6	0.956023	7 25	5 59
	6	0 16 22.14	− 0.28	0 58 13.7	0 30.2	0.957513	7 17	5 59
	8	0 16 21.86	+ 1.32	0 57 43.5	+0 40.6	0.959017	7 9	5 59
	10	0 16 23.18	2.91	−0 57 2.9	0 51.1	0.960532	7 1	5 59
	12	0 16 26.09	4.51	0 56 11.8	1 1.6	0.962057	6 53	5 59
	14	0 16 30.60	6.10	0 55 10.2	1 12.0	0.963590	6 46	5 59
	16	0 16 36.70	7.70	0 53 58.2	1 22.3	0.965128	6 38	5 59
	18	0 16 44.40	+ 9.29	0 52 35.9	+1 32.5	0.966670	6 30	5 59
	20	0 16 53.69	10.88	−0 51 3.4	1 42.7	0.968213	6 22	5 59
	22	0 17 4.57	12.44	0 49 20.7	1 52.7	0.969756	6 15	5 59
	24	0 17 17.01	14.00	0 47 28.0	2 2.7	0.971297	6 7	6 0
	26	0 17 31.01	15.55	0 45 25.3	2 12.5	0.972834	5 59	6 0
	28	0 17 46.56	+17.08	0 43 12.8	+2 22.2	0.974365	5 52	6 0
	30	0 18 3.64	18.59	−0 40 50.6	2 31.7	0.975888	5 44	6 0
	32	0 18 22.23	20.06	0 38 18.9	2 40.8	0.977400	5 37	6 0
	34	0 18 42.29		0 35 38.1		0.978901	5 29	6 0

Wahrer geozentrischer Ort.

0^h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	s	° ′ ″	″		h m	h m
Jan.	1	18 55 4.71	+31.06	−23 12 25.6	+40.0	1.311609	0 16	3 49
	3	18 55 35.77	31.06	23 11 45.6	40.4	1.311642	0 9	3 49
	5	18 56 6.83	31.04	23 11 5.2	40.6	1.311651	0 1	3 49
	7	18 56 37.87	30.99	23 10 24.6	40.9	1.311636	23 54	3 49
	9	18 57 8.86	+30.92	23 9 43.7	+41.1	1.311596	23 47	3 49
	11	18 57 39.78	30.81	−23 9 2.6	41.3	1.311532	23 39	3 49
	13	18 58 10.59	30.69	23 8 21.3	41.4	1.311444	23 32	3 49
	15	18 58 41.28	30.54	23 7 39.9	41.5	1.311332	23 25	3 49
	17	18 59 11.82	30.37	23 6 58.4	41.5	1.311197	23 17	3 50
	19	18 59 42.19	+30.17	23 6 16.9	+41.6	1.311039	23 10	3 50
	21	19 0 12.36	29.94	−23 5 35.3	41.5	1.310857	23 3	3 50
	23	19 0 42.30	29.70	23 4 53.8	41.4	1.310651	22 55	3 50
	25	19 1 12.00	29.42	23 4 12.4	41.3	1.310423	22 48	3 50
	27	19 1 41.42	29.12	23 3 31.1	41.1	1.310172	22 40	3 50
	29	19 2 10.54	+28.79	23 2 50.0	+40.9	1.309898	22 33	3 50
	31	19 2 39.33	28.45	−23 2 9.1	40.6	1.309602	22 26	3 50
Febr.	2	19 3 7.78	28.07	23 1 28.5	40.3	1.309284	22 18	3 50
	4	19 3 35.85	27.67	23 0 48.2	40.0	1.308943	22 11	3 50
	6	19 4 3.52	27.25	23 0 8.2	39.5	1.308581	22 3	3 50
	8	19 4 30.77	+26.80	22 59 28.7	+39.1	1.308199	21 56	3 50
	10	19 4 57.57	26.33	−22 58 49.6	38.6	1.307796	21 48	3 51
	12	19 5 23.90	25.83	22 58 11.0	38.0	1.307372	21 41	3 51
	14	19 5 49.73	25.33	22 57 33.0	37.4	1.306928	21 34	3 51
	16	19 6 15.06	24.79	22 56 55.6	36.7	1.306465	21 26	3 51
	18	19 6 39.85	+24.24	22 56 18.9	+36.0	1.305984	21 19	3 51
	20	19 7 4.09	23.66	−22 55 42.9	35.3	1.305484	21 11	3 51
	22	19 7 27.75	23.07	22 55 7.6	34.5	1.304966	21 4	3 51
	24	19 7 50.82	22.45	22 54 33.1	33.6	1.304431	20 56	3 51
	26	19 8 13.27	21.82	22 53 59.5	32.8	1.303879	20 49	3 51
	28	19 8 35.09	+21.16	22 53 26.7	+31.8	1.303310	20 41	3 51
März	1	19 8 56.25	20.50	−22 52 54.9	30.8	1.302726	20 34	3 51
	3	19 9 16.75	19.81	22 52 24.1	29.8	1.302127	20 26	3 51
	5	19 9 36.56	19.10	22 51 54.3	28.8	1.301514	20 18	3 51
	7	19 9 55.66	18.38	22 51 25.5	27.6	1.300886	20 11	3 51
	9	19 10 14.04	+17.63	22 50 57.9	+26.5	1.300245	20 3	3 52
	11	19 10 31.67	16.88	−22 50 31.4	25.3	1.299592	19 56	3 52
	13	19 10 48.55	16.11	22 50 6.1	24.1	1.298927	19 48	3 52
	15	19 11 4.66	15.34	22 49 42.0	22.9	1.298251	19 40	3 52
	17	19 11 20.00	14.55	22 49 19.1	21.5	1.297564	19 33	3 52
	19	19 11 34.55		22 48 57.6		1.296868	19 25	3 52

Wahrer geozentrischer Ort.

0h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	s	° ′ ″	″		h m	h m
März	17	19 11 20.00	+14.55	−22 49 19.1	+21.5	1.297564	19 33	3 52
	19	19 11 34.55	13.75	22 48 57.6	20.2	1.296868	19 25	3 52
	21	19 11 48.30	12.94	22 48 37.4	18.9	1.296164	19 18	3 52
	23	19 12 1.24	12.12	22 48 18.5	17.5	1.295451	19 10	3 52
	25	19 12 13.36	+11.28	22 48 1.0	+16.1	1.294730	19 2	3 52
	27	19 12 24.64	10.44	−22 47 44.9	14.7	1.294003	18 55	3 52
	29	19 12 35.08	9.59	22 47 30.2	13.2	1.293271	18 47	3 52
	31	19 12 44.67	8.73	22 47 17.0	11.7	1.292533	18 39	3 52
April	2	19 12 53.40	7.86	22 47 5.3	10.2	1.291790	18 31	3 52
	4	19 13 1.26	+ 6.98	22 46 55.1	+ 8.7	1.291045	18 24	3 52
	6	19 13 8.24	6.11	−22 46 46.4	7.3	1.290298	18 16	3 52
	8	19 13 14.35	5.24	22 46 39.1	5.7	1.289549	18 8	3 52
	10	19 13 19.59	4.36	22 46 33.4	4.2	1.288799	18 0	3 52
	12	19 13 23.95	3.48	22 46 29.2	2.7	1.288050	17 52	3 52
	14	19 13 27.43	+ 2.60	22 46 26.5	+ 1.1	1.287302	17 45	3 52
	16	19 13 30.03	1.72	−22 46 25.4	− 0.4	1.286556	17 37	3 52
	18	19 13 31.75	+ 0.85	22 46 25.8	1.9	1.285813	17 29	3 52
	20	19 13 32.60	− 0.01	22 46 27.7	3.4	1.285074	17 21	3 52
	22	19 13 32.59	0.88	22 46 31.1	5.0	1.284340	17 13	3 52
	24	19 13 31.71	− 1.75	22 46 36.1	− 6.5	1.283610	17 5	3 52
	26	19 13 29.96	2.61	−22 46 42.6	7.9	1.282886	16 57	3 52
	28	19 13 27.35	3.47	22 46 50.5	9.4	1.282170	16 49	3 52
	30	19 13 23.88	4.32	22 46 59.9	10.9	1.281463	16 41	3 52
Mai	2	19 13 19.56	5.17	22 47 10.8	12.3	1.280764	16 33	3 52
	4	19 13 14.39	− 5.99	22 47 23.1	−13.7	1.280075	16 26	3 52
	6	19 13 8.40	6.79	−22 47 36.8	15.0	1.279398	16 18	3 52
	8	19 13 1.61	7.59	22 47 51.8	16.4	1.278732	16 10	3 52
	10	19 12 54.02	8.38	22 48 8.2	17.7	1.278078	16 2	3 52
	12	19 12 45.64	9.14	22 48 25.9	18.9	1.277438	15 53	3 52
	14	19 12 36.50	− 9.89	22 48 44.8	−20.1	1.276813	15 45	3 52
	16	19 12 26.61	10.64	−22 49 4.9	21.4	1.276203	15 37	3 52
	18	19 12 15.97	11.36	22 49 26.3	22.5	1.275608	15 29	3 52
	20	19 12 4.61	12 05	22 49 48.8	23.6	1.275029	15 21	3 52
	22	19 11 52.56	12.73	22 50 12.4	24.6	1.274469	15 13	3 52
	24	19 11 39.83	−13.41	22 50 37.0	−25.6	1.273927	15 5	3 52
	26	19 11 26.42	14.06	−22 51 2.6	26.6	1.273403	14 57	3 51
	28	19 11 12.36	14.67	22 51 29.2	27.4	1.272899	14 49	3 51
	30	19 10 57.69	15.25	22 51 56.6	28.3	1.272415	14 41	3 51
Juni	1	19 10 42.44	15.82	22 52 24.9	29.1	1.271952	14 33	3 51
	3	19 10 26.62		22 52 54.0		1.271511	14 24	3 51

Wahrer geozentrischer Ort.

0h Mittl. Zeit		AR. h m s	Diff. s	Dekl. ° ′ ″	Diff. ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
Juni	1	19 10 42.44	−15.82	−22 52 24.9	−29.1	1.271952	14 33	3 51
	3	19 10 26.62	16.37	22 52 54.0	29.9	1.271511	14 24	3 51
	5	19 10 10.25	16.88	22 53 23.9	30.5	1.271092	14 16	3 51
	7	19 9 53.37	17.36	22 53 54.4	31.1	1.270697	14 8	3 51
	9	19 9 36.01	−17.81	22 54 25.5	−31.6	1.270325	14 0	3 51
	11	19 9 18.20	18.24	−22 54 57.1	32.2	1.269976	13 52	3 51
	13	19 8 59.96	18.64	22 55 29.3	32.6	1.269652	13 44	3 51
	15	19 8 41.32	19.01	22 56 1.9	33.0	1.269353	13 35	3 51
	17	19 8 22.31	19.35	22 56 34.9	33.3	1.269079	13 27	3 51
	19	19 8 2.96	−19.65	22 57 8.2	−33.6	1.268830	13 19	3 51
	21	19 7 43.31	19.93	−22 57 41.8	33.7	1.268607	13 11	3 51
	23	19 7 23.38	20.17	22 58 15.5	33.9	1.268411	13 3	3 51
	25	19 7 3.21	20.38	22 58 49.4	34.0	1.268241	12 54	3 51
	27	19 6 42.83	20.56	22 59 23.4	34.0	1.268098	12 46	3 50
	29	19 6 22.27	−20.70	22 59 57.4	−33.9	1.267983	12 38	3 50
Juli	1	19 6 1.57	20.81	−23 0 31.3	33.9	1.267895	12 30	3 50
	3	19 5 40.76	20.88	23 1 5.2	33.7	1.267835	12 21	3 50
	5	19 5 19.88	20.91	23 1 38.9	33.5	1.267802	12 13	3 50
	7	19 4 58.97	20.91	23 2 12.4	33.2	1.267797	12 5	3 50
	9	19 4 38.06	−20.87	23 2 45.6	−32.9	1.267820	11 57	3 50
	11	19 4 17.19	20.81	−23 3 18.5	32.6	1.267870	11 48	3 50
	13	19 3 56.38	20.71	23 3 51.1	32.2	1.267948	11 40	3 50
	15	19 3 35.67	20.57	23 4 23.3	31.7	1.268052	11 32	3 50
	17	19 3 15.10	20.41	23 4 55.0	31.1	1.268184	11 24	3 50
	19	19 2 54.69	−20.21	23 5 26.1	−30.6	1.268343	11 16	3 50
	21	19 2 34.48	19.98	−23 5 56.7	30.0	1.268529	11 7	3 50
	23	19 2 14.50	19.71	23 6 26.7	29.3	1.268742	10 59	3 50
	25	19 1 54.79	19.42	23 6 56.0	28.6	1.268981	10 51	3 50
	27	19 1 35.37	19.08	23 7 24.6	27.9	1.269246	10 43	3 50
	29	19 1 16.29	−18.71	23 7 52.5	−27.2	1.269538	10 34	3 49
	31	19 0 57.58	18.32	−23 8 19.7	26.4	1.269855	10 26	3 49
Aug.	2	19 0 39.26	17.88	23 8 46.1	25.5	1.270196	10 18	3 49
	4	19 0 21.38	17.43	23 9 11.6	24.7	1.270562	10 10	3 49
	6	19 0 3.95	16.94	23 9 36.3	23.8	1.270952	10 2	3 49
	8	18 59 47.01	−16.42	23 10 0.1	−22.8	1.271365	9 54	3 49
	10	18 59 30.59	15.89	−23 10 22.9	21.9	1.271801	9 45	3 49
	12	18 59 14.70	15.32	23 10 44.8	20.9	1.272259	9 37	3 49
	14	18 58 59.38	14.74	23 11 5.7	19.9	1.272739	9 29	3 49
	16	18 58 44.64	14.12	23 11 25.6	18.9	1.273240	9 21	3 49
	18	18 58 30.52		23 11 44.5		1.273760	9 13	3 49

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	″		h m	h m
Aug. 16	18 58 44.64	−14.12	−23 11 25.6	−18.9	1.273240	9 21	3 49
18	18 58 30.52	13.49	23 11 44.5	17.9	1.273760	9 13	3 49
20	18 58 17.03	12.82	23 12 2.4	16.9	1.274300	9 5	3 49
22	18 58 4.21	12.14	23 12 19.3	15.8	1.274860	8 57	3 49
24	18 57 52.07	−11.43	23 12 35.1	−14.6	1.275438	8 49	3 49
26	18 57 40.64	10.70	−23 12 49.7	13.5	1.276033	8 40	3 49
28	18 57 29.94	9.95	23 13 3.2	12.4	1.276645	8 32	3 49
30	18 57 19.99	9.20	23 13 15.6	11.3	1.277273	8 24	3 49
Sept. 1	18 57 10.79	8.42	23 13 26.9	10.2	1.277916	8 16	3 49
3	18 57 2.37	−7.62	23 13 37.1	−9.0	1.278573	8 8	3 49
5	18 56 54.75	6.81	−23 13 46.1	7.9	1.279243	8 0	3 49
7	18 56 47.94	5.99	23 13 54.0	6.7	1.279926	7 52	3 49
9	18 56 41.95	5.16	23 14 0.7	5.5	1.280621	7 44	3 49
11	18 56 36.79	4.33	23 14 6.2	4.3	1.281325	7 36	3 49
13	18 56 32.46	−3.48	23 14 10.5	−3.1	1.282039	7 28	3 49
15	18 56 28.98	2.62	−23 14 13.6	1.9	1.282763	7 20	3 49
17	18 56 26.36	1.75	23 14 15.5	−0.8	1.283496	7 13	3 49
19	18 56 24.61	−0.87	23 14 16.3	+0.4	1.284235	7 5	3 49
21	18 56 23.74	0.00	23 14 15.9	1.6	1.284980	6 57	3 49
23	18 56 23.74	+0.89	23 14 14.3	+2.9	1.285732	6 49	3 49
25	18 56 24.63	1.77	−23 14 11.4	4.1	1.286488	6 41	3 49
27	18 56 26.40	2.66	23 14 7.3	5.2	1.287247	6 33	3 49
29	18 56 29.06	3.56	23 14 2.1	6.4	1.288009	6 25	3 49
Okt. 1	18 56 32.62	4.45	23 13 55.7	7.6	1.288774	6 17	3 49
3	18 56 37.07	+5.34	23 13 48.1	+8.9	1.289539	6 9	3 49
5	18 56 42.41	6.22	−23 13 39.2	10.0	1.290304	6 2	3 49
7	18 56 48.63	7.09	23 13 29.2	11.3	1.291068	5 54	3 49
9	18 56 55.72	7.97	23 13 17.9	12.5	1.291831	5 46	3 49
11	18 57 3.69	8.83	23 13 5.4	13.7	1.292591	5 39	3 49
13	18 57 12.52	+9.69	23 12 51.7	+14.9	1.293347	5 31	3 49
15	18 57 22.21	10.54	−23 12 36.8	16.1	1.294099	5 23	3 49
17	18 57 32.75	11.39	23 12 20.7	17.2	1.294847	5 15	3 49
19	18 57 44.14	12.24	23 12 3.5	18.4	1.295589	5 8	3 49
21	18 57 56.38	13.07	23 11 45.1	19.6	1.296324	5 0	3 49
23	18 58 9.45	+13.89	23 11 25.5	+20.8	1.297051	4 52	3 49
25	18 58 23.34	14.69	−23 11 4.7	22.0	1.297770	4 45	3 49
27	18 58 38.03	15.49	23 10 42.7	23.1	1.298480	4 37	3 49
29	18 58 53.52	16.27	23 10 19.6	24.3	1.299180	4 29	3 49
31	18 59 9.79	17.03	23 9 55.3	25.4	1.299869	4 22	3 49
Nov. 2	18 59 26.82		23 9 29.9		1.300548	4 14	3 49

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	″		h m	h m
Okt. 31	18 59 9.79	+17.03	−23 9 55.3	+25.4	1.299869	4 22	3 49
Nov. 2	18 59 26.82	17.78	23 9 29.9	26.6	1.300548	4 14	3 49
4	18 59 44.60	18.51	23 9 3.3	27.7	1.301215	4 7	3 49
6	19 0 3.11	19.23	23 8 35.6	28.9	1.301868	3 59	3 49
8	19 0 22.34	+19.92	23 8 6.7	+30.0	1.302508	3 51	3 49
10	19 0 42.26	20.61	−23 7 36.7	31.0	1.303134	3 44	3 49
12	19 1 2.87	21.27	23 7 5.7	32.1	1.303746	3 37	3 50
14	19 1 24.14	21.92	23 6 33.6	33.2	1.304342	3 29	3 50
16	19 1 46.06	22.55	23 6 0.4	34.3	1.304922	3 21	3 50
18	19 2 8.61	+23.16	23 5 26.1	+35.3	1.305487	3 14	3 50
20	19 2 31.77	23.76	−23 4 50.8	36.3	1.306035	3 6	3 50
22	19 2 55.53	24.32	23 4 14.5	37.4	1.306565	2 59	3 50
24	19 3 19.85	24.86	23 3 37.1	38.4	1.307076	2 51	3 50
26	19 3 44.71	25.39	23 2 58.7	39.3	1.307569	2 44	3 50
28	19 4 10.10	+25.88	23 2 19.4	+40.3	1.308043	2 36	3 50
30	19 4 35.98	26.36	−23 1 39.1	41.2	1.308497	2 29	3 50
Dez. 2	19 5 2.34	26.81	23 0 57.9	42.2	1.308931	2 21	3 50
4	19 5 29.15	27.24	23 0 15.7	43.1	1.309345	2 14	3 50
6	19 5 56.39	27.65	22 59 32.6	43.9	1.309739	2 7	3 50
8	19 6 24.04	+28.03	22 58 48.7	+44.7	1.310111	1 59	3 51
10	19 6 52.07	28.38	−22 58 4.0	45.5	1.310462	1 52	3 51
12	19 7 20.45	28.72	22 57 18.5	46.3	1.310791	1 44	3 51
14	19 7 49.17	29.03	22 56 32.2	47.0	1.311098	1 37	3 51
16	19 8 18.20	29.31	22 55 45.2	47.8	1.311382	1 30	3 51
18	19 8 47.51	+29.58	22 54 57.4	+48.5	1.311644	1 22	3 51
20	19 9 17.09	29.81	−22 54 8.9	49.1	1.311883	1 15	3 51
22	19 9 46.90	30.03	22 53 19.8	49.8	1.312099	1 7	3 51
24	19 10 16.93	30.21	22 52 30.0	50.4	1.312291	1 0	3 51
26	19 10 47.14	30.36	22 51 39.6	50.9	1.312460	0 53	3 51
28	19 11 17.50	+30.49	22 50 48.7	+51.4	1.312605	0 45	3 52
30	19 11 47.99	30.58	−22 49 57.3	51.8	1.312727	0 37	3 52
32	19 12 18.57	30.65	22 49 5.5	52.2	1.312824	0 30	3 52
34	19 12 49.22		22 48 13.3		1.312897	0 23	3 52

Wahrer geozentrischer Ort.

0h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	s	° ′ ″	″		h m	h m
Jan.	1	6 58 40.06	−14.55	+21 55 2.7	+21.5	1.461817	12 20	8 11
	3	6 58 25.51	14.57	21 55 24.2	21.6	1.461791	12 12	8 11
	5	6 58 10.94	14.56	21 55 45.8	21.7	1.461784	12 4	8 11
	7	6 57 56.38	14.54	21 56 7.5	21.7	1.461796	11 55	8 11
	9	6 57 41.84	−14.49	21 56 29.2	+21.7	1.461827	11 47	8 11
	11	6 57 27.35	14.41	+21 56 50.9	21.6	1.461877	11 39	8 11
	13	6 57 12.94	14.31	21 57 12.5	21.5	1.461945	11 31	8 11
	15	6 56 58.63	14.19	21 57 34.0	21.4	1.462032	11 23	8 12
	17	6 56 44.44	14.04	21 57 55.4	21.2	1.462137	11 15	8 12
	19	6 56 30.40	−13.87	21 58 16.6	+21.1	1.462260	11 7	8 12
	21	6 56 16.53	13.69	+21 58 37.7	20.8	1.462401	10 59	8 12
	23	6 56 2.84	13.47	21 58 58.5	20.6	1.462560	10 50	8 12
	25	6 55 49.37	13.24	21 59 19.1	20.4	1.462736	10 42	8 12
	27	6 55 36.13	12.98	21 59 39.5	20.1	1.462930	10 34	8 12
	29	6 55 23.15	−12.71	21 59 59.6	+19.7	1.463141	10 26	8 12
	31	6 55 10.44	12.41	+22 0 19.3	19.4	1.463369	10 18	8 12
Febr.	2	6 54 58.03	12.09	22 0 38.7	19.1	1.463613	10 10	8 12
	4	6 54 45.94	11.75	22 0 57.8	18.7	1.463873	10 2	8 12
	6	6 54 34.19	11.40	22 1 16.5	18.2	1.464149	9 54	8 12
	8	6 54 22.79	−11.02	22 1 34.7	+17.8	1.464440	9 46	8 12
	10	6 54 11.77	10.63	+22 1 52.5	17.3	1.464745	9 38	8 12
	12	6 54 1.14	10.21	22 2 9.8	16.8	1.465065	9 30	8 12
	14	6 53 50.93	9.79	22 2 26.6	16.3	1.465399	9 22	8 12
	16	6 53 41.14	9.35	22 2 42.9	15.8	1.465745	9 13	8 12
	18	6 53 31.79	−8.89	22 2 58.7	+15.3	1.466104	9 5	8 12
	20	6 53 22.90	8.42	+22 3 14.0	14.7	1.466476	8 57	8 12
	22	6 53 14.48	7.95	22 3 28.7	14.1	1.466860	8 49	8 12
	24	6 53 6.53	7.46	22 3 42.8	13.6	1.467255	8 41	8 12
	26	6 52 59.07	6.95	22 3 56.4	13.0	1.467660	8 33	8 12
	28	6 52 52.12	−6.43	22 4 9.4	+12.3	1.468076	8 25	8 12
März	1	6 52 45.69	5.91	+22 4 21.7	11.7	1.468502	8 17	8 12
	3	6 52 39.78	5.36	22 4 33.4	11.1	1.468936	8 9	8 12
	5	6 52 34.42	4.82	22 4 44.5	10.4	1.469379	8 1	8 12
	7	6 52 29.60	4.26	22 4 54.9	9.7	1.469830	7 53	8 12
	9	6 52 25.34	−3.70	22 5 4.6	+9.1	1.470288	7 45	8 12
	11	6 52 21.64	3.14	+22 5 13.7	8.4	1.470753	7 38	8 12
	13	6 52 18.50	2.57	22 5 22.1	7.7	1.471223	7 30	8 12
	15	6 52 15.93	2.00	22 5 29.8	7.0	1.471699	7 22	8 12
	17	6 52 13.93	1.43	22 5 36.8	6.3	1.472180	7 14	8 12
	19	6 52 12.50		22 5 43.1		1.472664	7 6	8 13

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	″		h m	h m
März 17	6 52 13.93	− 1.43	+22 5 36.8	+ 6.3	1.472180	7 14	8 12
19	6 52 12.50	0.85	22 5 43.1	5.6	1.472664	7 6	8 13
21	6 52 11.65	− 0.27	22 5 48.7	4.9	1.473152	6 58	8 13
23	6 52 11.38	+ 0.31	22 5 53.6	4.2	1.473643	6 50	8 13
25	6 52 11.69	+ 0.90	22 5 57.8	+ 3.4	1.474137	6 42	8 13
27	6 52 12.59	1.48	+22 6 1.2	2.7	1.474632	6 34	8 13
29	6 52 14.07	2.07	22 6 3.9	1.9	1.475128	6 26	8 13
31	6 52 16.14	2.65	22 6 5.8	1.2	1.475626	6 19	8 13
April 2	6 52 18.79	3.23	22 6 7.0	+ 0.5	1.476123	6 11	8 13
4	6 52 22.02	+ 3.80	22 6 7.5	− 0.3	1.476619	6 3	8 13
6	6 52 25.82	4.38	+22 6 7.2	1.1	1.477114	5 55	8 13
8	6 52 30.20	4.94	22 6 6.1	1.8	1.477608	5 47	8 13
10	6 52 35.14	5.51	22 6 4.3	2.6	1.478099	5 39	8 13
12	6 52 40.65	6.06	22 6 1.7	3.3	1.478587	5 32	8 13
14	6 52 46.71	+ 6.61	22 5 58.4	− 4.0	1.479071	5 24	8 13
16	6 52 53.32	7.15	+22 5 54.4	4.8	1.479551	5 16	8 13
18	6 53 0.47	7.68	22 5 49.6	5.5	1.480027	5 8	8 13
20	6 53 8.15	8.21	22 5 44.1	6.3	1.480498	5 1	8 13
22	6 53 16.36	8.73	22 5 37.8	7.0	1.480963	4 53	8 13
24	6 53 25.09	+ 9.24	22 5 30.8	− 7.7	1.481423	4 45	8 12
26	6 53 34.33	9.75	+22 5 23.1	8.5	1.481877	4 37	8 12
28	6 53 44.08	10.24	22 5 14.6	9.2	1.482323	4 30	8 12
30	6 53 54.32	10.73	22 5 5.4	9.9	1.482762	4 22	8 12
Mai 2	6 54 5.05	11.20	22 4 55.5	10.6	1.483194	4 14	8 12
4	6 54 16.25	+11.66	22 4 44.9	−11.3	1.483617	4 7	8 12
6	6 54 27.91	12.12	+22 4 33.6	12.1	1.484031	3 59	8 12
8	6 54 40.03	12.55	22 4 21.5	12.8	1.484435	3 51	8 12
10	6 54 52.58	12.98	22 4 8.7	13.5	1.484830	3 43	8 12
12	6 55 5.56	13.38	22 3 55.2	14.2	1.485215	3 36	8 12
14	6 55 18.94	+13.78	22 3 41.0	−14.8	1.485590	3 28	8 12
16	6 55 32.72	14.17	+22 3 26.2	15.5	1.485954	3 21	8 12
18	6 55 46.89	14.55	22 3 10.7	16.2	1.486308	3 13	8 12
20	6 56 1.44	14.91	22 2 54.5	16.8	1.486650	3 5	8 12
22	6 56 16.35	15.26	22 2 37.7	17.5	1.486981	2 58	8 12
24	6 56 31.61	+15.60	22 2 20.2	−18.1	1.487300	2 50	8 12
26	6 56 47.21	15.92	+22 2 2.1	18.7	1.487607	2 42	8 12
28	6 57 3.13	16.23	22 1 43.4	19.3	1.487901	2 35	8 12
30	6 57 19.36	16.52	22 1 24.1	19.9	1.488182	2 27	8 12
Juni 1	6 57 35.88	16.80	22 1 4.2	20.5	1.488450	2 19	8 12
3	6 57 52.68		22 0 43.7		1.488705	2 12	8 12

Wahrer geozentrischer Ort.

0h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	s	° ′ ″	″		h m	h m
Juni	1	6 57 35.88	+16.80	+22 1 4.2	−20.5	1.488450	2 19	8 12
	3	6 57 52.68	17.06	22 0 43.7	21.0	1.488705	2 12	8 12
	5	6 58 9.74	17.31	22 0 22.7	21.6	1.488946	2 4	8 12
	7	6 58 27.05	17.54	22 0 1.1	22.1	1.489174	1 57	8 12
	9	6 58 44.59	+17.75	21 59 39.0	−22.7	1.489387	1 49	8 12
	11	6 59 2.34	17.95	+21 59 16.3	23.2	1.489587	1 41	8 12
	13	6 59 20.29	18.13	21 58 53.1	23.6	1.489773	1 34	8 12
	15	6 59 38.42	18.30	21 58 29.5	24.1	1.489944	1 26	8 12
	17	6 59 56.72	18.46	21 58 5.4	24.5	1.490100	1 19	8 12
	19	7 0 15.18	+18.60	21 57 40.9	−25.0	1.490242	1 11	8 12
	21	7 0 33.78	18.72	+21 57 15.9	25.4	1.490369	1 4	8 11
	23	7 0 52.50	18.83	21 56 50.5	25.8	1.490481	0 56	8 11
	25	7 1 11.33	18.93	21 56 24.7	26.1	1.490578	0 48	8 11
	27	7 1 30.26	19.01	21 55 58.6	26.5	1.490660	0 41	8 11
	29	7 1 49.27	+19.06	21 55 32.1	−26.8	1.490727	0 33	8 11
Juli	1	7 2 8.33	19.10	+21 55 5.3	27.1	1.490778	0 26	8 11
	3	7 2 27.43	19.13	21 54 38.2	27.5	1.490814	0 18	8 11
	5	7 2 46.56	19.14	21 54 10.7	27.7	1.490835	0 11	8 11
	7	7 3 5.70	19.13	21 53 43.0	27.9	1.490840	0 3	8 11
	9	7 3 24.83	+19.10	21 53 15.1	−28.1	1.490830	23 55	8 11
	11	7 3 43.93	19.07	+21 52 47.0	28.3	1.490805	23 48	8 11
	13	7 4 3.00	19.01	21 52 18.7	28.4	1.490764	23 40	8 11
	15	7 4 22.01	18.94	21 51 50.3	28.6	1.490708	23 33	8 11
	17	7 4 40.95	18.86	21 51 21.7	28.7	1.490637	23 25	8 11
	19	7 4 59.81	+18.76	21 50 53.0	−28.8	1.490551	23 18	8 11
	21	7 5 18.57	18.65	+21 50 24.2	28.8	1.490450	23 10	8 11
	23	7 5 37.22	18.51	21 49 55.4	28.8	1.490333	23 2	8 11
	25	7 5 55.73	18.37	21 49 26.6	28.8	1.490202	22 55	8 11
	27	7 6 14.10	18.20	21 48 57.8	28.8	1.490056	22 47	8 10
	29	7 6 32.30	+18.02	21 48 29.0	−28.7	1.489895	22 40	8 10
	31	7 6 50.32	17.82	+21 48 0.3	28.6	1.489719	22 32	8 10
Aug.	2	7 7 8.14	17.60	21 47 31.7	28.5	1.489529	22 25	8 10
	4	7 7 25.74	17.38	21 47 3.2	28.4	1.489325	22 17	8 10
	6	7 7 43.12	17.13	21 46 34.8	28.2	1.489107	22 9	8 10
	8	7 8 0.25	+16.87	21 46 6.6	−27.9	1.488875	22 2	8 10
	10	7 8 17.12	16.60	+21 45 38.7	27.7	1.488629	21 54	8 10
	12	7 8 33.72	16.32	21 45 11.0	27.4	1.488370	21 47	8 10
	14	7 8 50.04	16.02	21 44 43.6	27.1	1.488098	21 39	8 10
	16	7 9 6.06	15.71	21 44 16.5	26.7	1.487813	21 31	8 10
	18	7 9 21.77		21 43 49.8		1.487515	21 24	8 10

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	″		h m	h m
Aug. 16	7 9 6.06	+15.71	+21 44 16.5	−26.7	1.487813	21 31	8 10
18	7 9 21.77	15.38	21 43 49.8	26.4	1.487515	21 24	8 10
20	7 9 37.15	15.05	21 43 23.4	26.0	1.487205	21 16	8 10
22	7 9 52.20	14.69	21 42 57.4	25.5	1.486882	21 8	8 10
24	7 10 6.89	+14.32	21 42 31.9	−25.0	1.486547	21 1	8 10
26	7 10 21.21	13.93	+21 42 6.9	24.5	1.486201	20 53	8 10
28	7 10 35.14	13.54	21 41 42.4	24.1	1.485844	20 46	8 10
30	7 10 48.68	13.12	21 41 18.3	23.5	1.485476	20 38	8 10
Sept. 1	7 11 1.80	12.70	21 40 54.8	22.9	1.485097	20 30	8 10
3	7 11 14.50	+12.27	21 40 31.9	−22.3	1.484708	20 23	8 9
5	7 11 26.77	11.82	+21 40 9.6	21.7	1.484310	20 15	8 9
7	7 11 38.59	11.37	21 39 47.9	21.0	1.483902	20 7	8 9
9	7 11 49.96	10.90	21 39 26.9	20.3	1.483485	19 59	8 9
11	7 12 0.86	10.43	21 39 6.6	19.6	1.483060	19 52	8 9
13	7 12 11.29	+ 9.94	21 38 47.0	−18.8	1.482627	19 44	8 9
15	7 12 21.23	9.45	+21 38 28.2	18.1	1.482185	19 36	8 9
17	7 12 30.68	8.95	21 38 10.1	17.2	1.481736	19 29	8 9
19	7 12 39.63	8.44	21 37 52.9	16.4	1.481281	19 21	8 9
21	7 12 48.07	7.91	21 37 36.5	15.6	1.480820	19 13	8 9
23	7 12 55.98	+ 7.38	21 37 20.9	−14.8	1.480352	19 5	8 9
25	7 13 3.36	6.83	+21 37 6.1	13.8	1.479879	18 58	8 9
27	7 13 10.19	6.29	21 36 52.3	12.9	1.479401	18 50	8 9
29	7 13 16.48	5.73	21 36 39.4	12.0	1.478919	18 42	8 9
Okt. 1	7 13 22.21	5.17	21 36 27.4	11.0	1.478433	18 34	8 9
3	7 13 27.38	+ 4.61	21 36 16.4	−10.1	1.477944	18 26	8 9
5	7 13 31.99	4.05	+21 36 6.3	9.1	1.477453	18 19	8 9
7	7 13 36.04	3.48	21 35 57.2	8.1	1.476959	18 11	8 9
9	7 13 39.52	2.91	21 35 49.1	7.1	1.476463	18 3	8 9
11	7 13 42.43	2.33	21 35 42.0	6.1	1.475966	17 55	8 9
13	7 13 44.76	+ 1.75	21 35 35.9	− 5.1	1.475470	17 47	8 9
15	7 13 46.51	1.18	+21 35 30.8	4.0	1.474974	17 39	8 9
17	7 13 47.69	0.60	21 35 26.8	3.0	1.474478	17 32	8 9
19	7 13 48.29	+ 0.01	21 35 23.8	2.0	1.473983	17 24	8 9
21	7 13 48.30	− 0.57	21 35 21.8	− 1.0	1.473491	17 16	8 9
23	7 13 47.73	− 1.14	21 35 20.8	+ 0.1	1.473002	17 8	8 9
25	7 13 46.59	1.73	+21 35 20.9	1.1	1.472515	17 0	8 9
27	7 13 44.86	2.30	21 35 22.0	2.2	1.472032	16 52	8 9
29	7 13 42.56	2.87	21 35 24.2	3.2	1.471554	16 44	8 9
31	7 13 39.69	3.43	21 35 27.4	4.2	1.471081	16 36	8 9
Nov. 2	7 13 36.26		21 35 31.6		1.470614	16 28	8 9

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	″		h m	h m
Okt. 31	7 13 39.69	— 3.43	+21 35 27.4	+ 4.2	1.471081	16 36	8 9
Nov. 2	7 13 36.26	3.99	21 35 31.6	5.3	1.470614	16 28	8 9
4	7 13 32.27	4.54	21 35 36.9	6.3	1.470153	16 20	8 9
6	7 13 27.73	5.08	21 35 43.2	7.3	1.469699	16 12	8 9
8	7 13 22.65	— 5.62	21 35 50.5	+ 8.3	1.469253	16 4	8 9
10	7 13 17.03	6.15	+21 35 58.8	9.3	1.468815	15 56	8 9
12	7 13 10.88	6.67	21 36 8.1	10.2	1.468385	15 48	8 9
14	7 13 4.21	7.18	21 36 18.3	11.1	1.467965	15 40	8 9
16	7 12 57.03	7.67	21 36 29.4	12.1	1.467555	15 32	8 9
18	7 12 49.36	— 8.16	21 36 41.5	+13.0	1.467154	15 24	8 9
20	7 12 41.20	8.64	+21 36 54.5	13.8	1.466764	15 16	8 9
22	7 12 32.56	9.10	21 37 8.3	14.7	1.466386	15 8	8 9
24	7 12 23.46	9.54	21 37 23.0	15.5	1.466021	15 0	8 9
26	7 12 13.92	9.98	21 37 38.5	16.3	1.465668	14 52	8 9
28	7 12 3.94	—10.40	21 37 54.8	+17.1	1.465328	14 44	8 9
30	7 11 53.54	10.79	+21 38 11.9	17.8	1.465002	14 36	8 9
Dez. 2	7 11 42.75	11.17	21 38 29.7	18.5	1.464690	14 28	8 9
4	7 11 31.58	11.53	21 38 48.2	19.2	1.464393	14 20	8 9
6	7 11 20.05	11.88	21 39 7.4	19.8	1.464110	14 12	8 9
8	7 11 8.17	—12.21	21 39 27.2	+20.4	1.463843	14 4	8 9
10	7 10 55.96	12.51	+21 39 47.6	21.0	1.463592	13 56	8 9
12	7 10 43.45	12.79	21 40 8.6	21.6	1.463357	13 48	8 9
14	7 10 30.66	13.06	21 40 30.2	22.0	1.463138	13 40	8 9
16	7 10 17.60	13.31	21 40 52.2	22.5	1.462937	13 32	8 10
18	7 10 4.29	—13.54	21 41 14.7	+22.9	1.462752	13 23	8 10
20	7 9 50.75	13.74	+21 41 37.6	23.4	1.462585	13 15	8 10
22	7 9 37.01	13.92	21 42 1.0	23.7	1.462435	13 7	8 10
24	7 9 23.09	14.08	21 42 24.7	23.9	1.462304	12 59	8 10
26	7 9 9.01	14.21	21 42 48.6	24.2	1.462191	12 51	8 10
28	7 8 54.80	—14.32	21 43 12.8	+24.4	1.462096	12 43	8 10
30	7 8 40.48	14.41	+21 43 37.2	24.6	1.462020	12 35	8 10
32	7 8 26.07	14.47	21 44 1.8	24.9	1.461962	12 27	8 10
34	7 8 11.60		21 44 26.7		1.461924	12 18	8 10

MERKUR 1908.

Mittlere Ekliptik und Äquinoktium 1910.0.

0h Mittl. Zeit		Log. Rad. v.	Länge in d.Bahn	Red. a. d. Ekl.	Breite	0h Mittl. Zeit		Log. Rad. v.	Länge in d.Bahn	Red. a. d. Ekl.	Breite
Jan.	3	9.6685	261° 31	−12′	−3° 56′	Juli	6	9.6531	287° 15′	−11′	−6° 4′
	8	9.6627	275 29	−13	−5 13		11	9.6352	302 40	− 6	−6 47
	13	9.6502	290 3	−10	−6 13		16	9.6107	319 40	+ 1	−7 0
	18	9.6311	305 43	− 5	−6 52		21	9.5802	338 58	+ 9	−6 30
	23	9.6054	323 5	+ 3	−6 58		26	9.5460	1 25	+13	−5 1
	28	9.5740	342 55	+10	−6 19		31	9.5135	27 40	+ 8	−2 21
Febr.	2	9.5396	6 2	+13	−4 37	Aug.	5	9.4917	57 30	− 4	+1 14
	7	9.5083	33 1	+ 6	−1 43		10	9.4898	89 5	−13	+4 40
	12	9.4897	63 23	− 7	+1 56		15	9.5086	119 25	− 8	+6 40
	17	9.4919	94 58	−13	+5 10		20	9.5400	146 21	+ 4	+6 55
	22	9.5138	124 46	− 5	+6 50		25	9.5744	169 26	+12	+5 55
	27	9.5464	150 58	+ 6	+6 48		30	9.6057	189 14	+12	+4 18
März	3	9.5806	173 23	+12	+5 39	Sept.	4	9.6314	206 35	+ 8	+2 28
	8	9.6110	192 39	+12	+3 58		9	9.6504	222 14	+ 2	+0 37
	13	9.6354	209 38	+ 7	+2 7		14	9.6628	236 47	− 4	−1 9
	18	9.6532	225 2	+ 1	+0 16		19	9.6685	250 45	− 9	−2 47
	23	9.6644	239 26	− 5	−1 28		24	9.6678	264 33	−12	−4 14
	28	9.6689	253 20	−10	−3 4		29	9.6605	278 36	−13	−5 28
April	2	9.6669	267 9	−13	−4 29	Okt.	4	9.6466	293 21	−10	−6 24
	7	9.6584	281 18	−12	−5 40		9	9.6260	309 20	− 4	−6 56
	12	9.6433	296 15	− 9	−6 32		14	9.5990	327 11	+ 4	−6 54
	17	9.6214	312 31	− 2	−6 59		19	9.5666	347 40	+11	−6 2
	22	9.5932	330 48	+ 6	−6 48		24	9.5322	11 36	+12	−4 5
	27	9.5601	351 52	+12	−5 46		29	9.5028	39 24	+ 3	−0 57
Mai	2	9.5260	16 31	+11	−3 34	Nov.	3	9.4882	70 17	− 9	+2 44
	7	9.4986	45 2	+ 1	−0 16		8	9.4952	101 43	−12	+5 42
	12	9.4879	76 14	−11	+3 23		13	9.5204	130 50	− 3	+6 58
	17	9.4988	107 26	−11	+6 4		18	9.5540	156 10	+ 8	+6 37
	22	9.5264	135 54	− 1	+7 0		23	9.5877	177 49	+13	+5 19
	27	9.5605	160 30	+ 9	+6 26		28	9.6169	196 32	+11	+3 34
Juni	1	9.5936	181 32	+13	+5 1	Dez.	3	9.6399	213 7	+ 6	+1 43
	6	9.6217	199 47	+11	+3 14		8	9.6562	228 15	0	−0 7
	11	9.6435	216 3	+ 5	+1 22		13	9.6659	242 30	− 7	−1 50
	16	9.6586	230 59	− 2	−0 27		18	9.6690	256 21	−11	−3 24
	21	9.6670	245 7	− 7	−2 9		23	9.6656	270 12	−13	−4 46
	26	9.6689	258 56	−11	−3 40		28	9.6557	284 29	−12	−5 53
Juli	1	9.6643	272 50	−13	−5 0		33	9.6391	299 40	− 7	−6 40
	6	9.6531	287 15	−11	−6 4		38	9.6158	316 19	0	−7 0

$\Omega = 47° \ 16'.0; \quad i = 7° \ 0'.19; \quad m = \frac{1}{6000000}$

	VENUS 1908.				ERDE 1908.	
	Mittl. Ekliptik und Äquin. 1910.0.				Mittl. Äqu. 1910.0	
0^h Mittl. Zeit	Log. Radius v.	Länge in der Bahn	Red. auf d. Eklipt.	Breite	Log. Radius vect.	Länge
Jan. 3	9.8617	347° 0.4	+0.1	−3° 23.6	9.99267	101° 43.6
13	9.8611	2 52.5	+1.7	−3 14.7	9.99277	111 55.2
23	9.8604	18 47.5	+2.8	−2 50.9	9.99311	122 5.9
Febr. 2	9.8596	34 45.8	+3.0	−2 13.8	9.99368	132 15.6
12	9.8588	50 47.8	+2.3	−1 26.3	9.99441	142 23.5
22	9.8580	66 53.3	+0.9	−0 31.8	9.99532	152 28.7
März 3	9.8573	83 2.1	−0.7	+0 25.4	9.99639	162 31.6
13	9.8568	99 13.6	−2.2	+1 20.7	9.99752	172 31.3
23	9.8565	115 27.0	−3.0	+2 9.7	9.99874	182 27.5
April 2	9.8564	131 41.4	−2.8	+2 48.4	0.00001	192 20.7
12	9.8565	147 55.6	−1.8	+3 13.7	0.00123	202 10.3
22	9.8569	164 8.7	−0.2	+3 23.5	0.00244	211 56.4
Mai 2	9.8574	180 19.7	+1.5	+3 17.2	0.00357	221 39.7
12	9.8581	196 27.9	+2.6	+2 55.3	0.00457	231 20.0
22	9.8589	212 32.8	+3.0	+2 19.7	0.00545	240 57.6
Juni 1	9.8597	228 34.1	+2.5	+1 33.4	0.00619	250 33.4
11	9.8605	244 31.8	+1.2	+0 40.0	0.00670	260 7.3
21	9.8612	260 26.2	−0.5	−0 16.2	0.00706	269 39.9
Juli 1	9.8618	276 17.9	−2.0	−1 11.0	0.00722	279 12.2
11	9.8621	292 7.5	−2.9	−2 0.4	0.00715	288 44.2
21	9.8623	307 56.0	−2.9	−2 40.6	0.00690	298 16.5
31	9.8622	323 44.4	−2.1	−3 8.6	0.00645	307 50.0
Aug. 10	9.8619	339 33.6	−0.7	−3 22.4	0.00579	317 24.8
20	9.8614	355 24.6	+1.0	−3 20.8	0.00500	327 1.4
30	9.8608	11 18.1	+2.3	−3 3.9	0.00405	336 40.6
Sept. 9	9.8600	27 14.7	+3.0	−2 32.8	0.00295	346 22.4
19	9.8592	43 14.9	+2.7	−1 49.7	0.00180	356 7.1
29	9.8584	59 18.7	+1.6	−0 58.0	0.00058	5 55.4
Okt. 9	9.8576	75 25.9	0.0	−0 1.6	9.99930	15 46.8
19	9.8570	91 36.2	−1.6	+0 55.2	9.99809	25 41.5
29	9.8566	107 48.8	−2.7	+1 47.7	9.99690	35 39.9
Nov. 8	9.8564	124 2.9	−3.0	+2 31.7	9.99578	45 41.1
18	9.8564	140 17.4	−2.4	+3 3.6	9.99483	55 45.3
28	9.8567	156 31.2	−1.0	+3 20.9	9.99400	65 52.2
Dez. 8	9.8571	172 43.4	+0.7	+3 22.2	9.99334	76 0.9
18	9.8578	188 53.1	+2.2	+3 7.4	9.99292	86 11.1
28	9.8585	204 59.7	+3.0	+2 37.9	9.99270	96 22.6
38	9.8593	221 2.8	+2.8	+1 56.2	9.99268	106 34.0

Venus: $☊ = 75° 52'.5; \quad i = 3° 23'.6; \quad m = \frac{1}{408000}$

Erde: $m = \frac{1}{329390}$

MARS 1908.

Mittlere Ekliptik und Äquinoktium 1910.0.

0h Mittl. Zeit		Log. Radius vect.	Länge in der Bahn	Red. auf die Ekliptik	Breite
			° ′	′	° ′
Jan.	3	0.15977	35 10.3	+0.4	−0 26.3
	13	0.16328	40 55.8	+0.2	−0 15.3
	23	0.16691	46 35.6	+0.1	−0 4.4
Febr.	2	0.17063	52 9.7	−0.1	+0 6.4
	12	0.17440	57 38.1	−0.3	+0 16.9
	22	0.17817	63 0.8	−0.4	+0 27.1
März	3	0.18191	68 18.0	−0.6	+0 36.9
	13	0.18561	73 29.8	−0.7	+0 46.3
	23	0.18922	78 36.4	−0.8	+0 55.1
April	2	0.19271	83 38.0	−0.8	+1 3.3
	12	0.19608	88 34.9	−0.9	+1 10.9
	22	0.19929	93 27.3	−0.9	+1 17.9
Mai	2	0.20234	98 15.5	−0.9	+1 24.3
	12	0.20520	102 59.9	−0.9	+1 30.0
	22	0.20786	107 40.6	−0.8	+1 35.0
Juni	1	0.21031	112 18.1	−0.7	+1 39.3
	11	0.21254	116 52.6	−0.6	+1 42.9
	21	0.21454	121 24.4	−0.5	+1 45.9
Juli	1	0.21630	125 53.9	−0.4	+1 48.2
	11	0.21782	130 21.4	−0.3	+1 49.8
	21	0.21910	134 47.1	−0.1	+1 50.7
	31	0.22012	139 11.4	0.0	+1 51.0
Aug.	10	0.22089	143 34.7	+0.1	+1 50.6
	20	0.22140	147 57.2	+0.3	+1 49.6
	30	0.22165	152 19.2	+0.4	+1 48.0
Sept.	9	0.22164	156 41.1	+0.5	+1 45.7
	19	0.22138	161 3.1	+0.6	+1 42.8
	29	0.22086	165 25.6	+0.7	+1 39.3
Okt.	9	0.22008	169 48.9	+0.8	+1 35.2
	19	0.21904	174 13.3	+0.8	+1 30.5
	29	0.21776	178 39.1	+0.9	+1 25.3
Nov.	8	0.21622	183 6.6	+0.9	+1 19.5
	18	0.21444	187 36.2	+0.9	+1 13.2
	28	0.21243	192 8.2	+0.9	+1 6.4
Dez.	8	0.21019	196 42.8	+0.8	+0 59.1
	18	0.20773	201 20.4	+0.7	+0 51.3
	28	0.20506	206 1.4	+0.6	+0 43.1
	38	0.20219	210 45.9	+0.5	+0 34.5

$\Omega = 48^\circ\, 52'.1;\quad i = 1^\circ\, 51'.0;\quad m = \frac{1}{3093500}$

JUPITER 1908.

Mittlere Ekliptik und Äquinoktium 1910.0.

0h Mittl. Zeit	Log. Radius vect.	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_0
Jan. 3	0.723778	126° 31′ 22″.9	−21″.7	+0° 35′ 40″.0	+3″.6
13	0.724050	127 19 26.9	−22.2	+0 36 38.5	+3.7
23	0.724320	128 7 27.4	−22.6	+0 37 36.5	+3.7
Febr. 2	0.724589	128 55 24.3	−23.0	+0 38 34.0	+3.7
12	0.724855	129 43 17.6	−23.4	+0 39 31.0	+3.7
22	0.725119	130 31 7.4	−23.8	+0 40 27.4	+3.7
März 3	0.725381	131 18 53.8	−24.1	+0 41 23.3	+3.7
13	0.725641	132 6 36.7	−24.4	+0 42 18.7	+3.8
23	0.725899	132 54 16.2	−24.7	+0 43 13.5	+3.8
April 2	0.726154	133 41 52.3	−25.0	+0 44 7.8	+3.8
12	0.726407	134 29 25.1	−25.2	+0 45 1.4	+3.8
22	0.726658	135 16 54.6	−25.5	+0 45 54.5	+3.8
Mai 2	0.726906	136 4 20.8	−25.7	+0 46 47.0	+3.9
12	0.727152	136 51 43.8	−25.9	+0 47 38.9	+3.9
22	0.727396	137 39 3.6	−26.1	+0 48 30.2	+3.9
Juni 1	0.727637	138 26 20.2	−26.3	+0 49 20.9	+3.9
11	0.727876	139 13 33.7	−26.4	+0 50 11.0	+3.9
21	0.728112	140 0 44.0	−26.6	+0 51 0.4	+3.9
Juli 1	0.728345	140 47 51.3	−26.7	+0 51 49.2	+3.9
11	0.728576	141 34 55.5	−26.8	+0 52 37.4	+3.9
21	0.728804	142 21 56.7	−26.8	+0 53 25.0	+3.9
31	0.729030	143 8 55.0	−26.9	+0 54 11.9	+3.9
Aug. 10	0.729253	143 55 50.4	−26.9	+0 54 58.2	+3.9
20	0.729473	144 42 43.0	−26.9	+0 55 43.8	+3.9
30	0.729691	145 29 32.7	−26.9	+0 56 28.7	+3.9
Sept. 9	0.729906	146 16 19.6	−26.9	+0 57 12.9	+3.9
19	0.730117	147 3 3.8	−26.8	+0 57 56.5	+3.9
29	0.730325	147 49 45.3	−26.7	+0 58 39.4	+3.9
Okt. 9	0.730531	148 36 24.1	−26.6	+0 59 21.6	+3.9
19	0.730734	149 23 0.3	−26.5	+1 0 3.1	+3.9
29	0.730934	150 9 33.9	−26.4	+1 0 43.9	+3.9
Nov. 8	0.731131	150 56 5.0	−26.2	+1 1 24.0	+3.9
18	0.731325	151 42 33.6	−26.0	+1 2 3.4	+3.9
28	0.731516	152 28 59.7	−25.8	+1 2 42.1	+3.9
Dez. 8	0.731703	153 15 23.3	−25.6	+1 3 20.1	+3.9
18	0.731888	154 1 44.6	−25.4	+1 3 57.3	+3.9
28	0.732069	154 48 3.6	−25.2	+1 4 33.8	+3.9
38	0.732247	155 34 20.3	−24.9	+1 5 9.6	+3.9

$☊ = 99° 32' 41''.4;\quad i = 1° 18' 29''.7;\quad m = \frac{1}{1047.355}$

Mittlere Ekliptik und Äquinoktium 1910.0.

0^h Mittl. Zeit	Log. Radius vect.	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_0
SATURN 1908.					
		° ′ ″	′ ″	° ′ ″	″
1907 Nov. 24	0.980330	356 19 33.3	—1 18.1	—2 13 37.5	+7.3
1908 Jan. 3	0.979770	357 39 30.4	—1 15.3	—2 15 8.9	+7.1
Febr. 12	0.979208	358 59 39.8	—1 12.4	—2 16 36.1	+6.9
März 23	0.978645	0 20 1.3	—1 9.2	—2 17 59.0	+6.6
Mai 2	0.978082	1 40 35.0	—1 5.8	—2 19 17.6	+6.3
Juni 11	0.977518	3 1 21.0	—1 2.4	—2 20 31.8	+6.0
Juli 21	0.976954	4 22 19.5	—0 58.8	—2 21 41.5	+5.8
Aug. 30	0.976390	5 43 30.5	—0 55.1	—2 22 46.7	+5.5
Okt. 9	0.975826	7 4 53.9	—0 51.2	—2 23 47.2	+5.3
Nov. 18	0.975263	8 26 29.8	—0 47.2	—2 24 43.0	+5.0
Dez. 28	0.974701	9 48 18.2	—0 43.1	—2 25 34.0	+4.7
68	0.974141	11 10 19.0	—0 38.8	—2 26 20.2	+4.5

$\Omega = 112° 52' 26''.8;\quad i = 2° 29' 31''.3;\quad m = \frac{1}{3501.6}$

0^h Mittl. Zeit	Log. Radius vect.	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_0
URANUS 1908.					
		° ′ ″	″	° ′ ″	″
1907 Nov. 24	1.290141	282 23 28.2	—7.9	—0 22 19.7	+2.9
1908 Jan. 3	1.290294	282 50 38.4	—8.0	—0 22 38.9	+2.9
Febr. 12	1.290446	283 17 47.5	—8.1	—0 22 58.0	+2.9
März 23	1.290598	283 44 55.4	—8.2	—0 23 17.1	+2.9
Mai 2	1.290750	284 12 2.3	—8.2	—0 23 36.0	+3.0
Juni 11	1.290901	284 39 8.2	—8.3	—0 23 54.8	+3.0
Juli 21	1.291052	285 6 13.1	—8.3	—0 24 13.5	+3.0
Aug. 30	1.291202	285 33 16.9	—8.4	—0 24 32.1	+3.0
Okt. 9	1.291352	286 0 19.7	—8.5	—0 24 50.6	+3.0
Nov. 18	1.291502	286 27 21.4	—8.6	—0 25 9.0	+3.0
Dez. 28	1.291651	286 54 22.1	—8.6	—0 25 27.3	+3.1
68	1.291799	287 21 21.8	—8.7	—0 25 45.4	+3.1

$\Omega = 73° 32';\quad i = 0° 46' 22'';\quad m = \frac{1}{22869}$

0^h Mittl. Zeit	Log. Radius vect.	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_0
NEPTUN 1908.					
		° ′ ″	″	° ′ ″	″
1907 Nov. 24	1.476270	103 14 58.7	+40.8	—0 49 19.5	—0.4
1908 Jan. 3	1.476283	103 29 29.2	+40.5	—0 48 55.6	—0.5
Febr. 12	1.476296	103 43 59.6	+40.3	—0 48 31.6	—0.5
März 23	1.476309	103 58 29.9	+40.1	—0 48 7.5	—0.5
Mai 2	1.476321	104 13 0.1	+39.8	—0 47 43.4	—0.5
Juni 11	1.476333	104 27 30.3	+39.5	—0 47 19.2	—0.5
Juli 21	1.476346	104 42 0.4	+39.3	—0 46 55.0	—0.5
Aug. 30	1.476358	104 56 30.3	+39.0	—0 46 30.8	—0.6
Okt. 9	1.476370	105 11 0.1	+38.8	—0 46 6.5	—0.6
Nov. 18	1.476382	105 25 29.8	+38.6	—0 45 42.1	—0.6
Dez. 28	1.476393	105 39 59.4	+38.3	—0 45 17.7	—0.6
68	1.476405	105 54 28.8	+38.0	—0 44 53.3	—0.7

$\Omega = 130° 47';\quad i = 1° 46' 42'';\quad m = \frac{1}{19314}$

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0ˢ.0001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
1	α Androm.	2.1	0ʰ 3ᵐ 37ˢ.767	+3ˢ.0945	+ 106	+28° 34′ 57″.05	+19″.884	− 161
2	β Cassiopejae	2.2	0 4 15.711	+3.1800	+ 674	+58 38 32.35	+19.863	− 179
3	ε Phoenicis	3.8	0 4 44.608	+3.0536	+ 99	−46 15 18.45	+19.848	− 193
4	[22 Androm.]	5.2	0 5 32.070	+3.1062	+ 8	+45 33 36.93	+20.037	− 3
5	[χ² Sculptoris]	5.5	0 6 54.206	+3.0512	+ 4	−28 18 44.33	+20.042	+ 5
6	[θ Sculptoris]	5.3	0 7 3.426	+3.0534	+ 105	−35 38 53.46	+20.161	+ 124
7	γ Pegasi	2.7	0 8 29.801	+3.0854	+ 1	+14 40 19.42	+20.020	− 14
8	[Br. 6]	6.5	0 10 59.915	+3.3448	+ 67	+76 26 22.39	+20.024	+ 2
9	ι Ceti	3.5	0 14 44.434	+3.0569	− 15	− 9 20 2.21	+19.974	− 32
10	ζ Tucanae	4.2	0 15 16.925	+3.1492	+2713	−65 24 55.91	+21.155	+1153
11	β Hydri	2.8	0 20 55.811	+3.2135	+7035	−77 46 20.49	+20.281	+ 318
12	α Phoenicis	2.3	0 21 44.269	+2.9721	+ 168	−42 48 20.51	+19.547	− 409
13	12 Ceti	6.1	0 25 20.623	+3.0617	+ 8	− 4 27 56.28	+19.916	− 8
14	[Ceti 49 G.]	5.3	0 25 46.727	+3.0023	− 25	−24 17 47.96	+19.928	+ 9
15	[λ¹ Phoenicis]	4.7	0 26 58.781	+2.9021	+ 122	−49 18 44.43	+19.919	+ 12
16	[κ Cassiop.]	4.2	0 27 45.757	+3.3828	+ 11	+62 25 26.81	+19.901	+ 3
17	ζ Cassiopejae	3.8	0 31 50.370	+3.3238	+ 23	+53 23 26.40	+19.847	− 7
18	π Androm.	4.2	0 31 57.831	+3.1957	+ 17	+33 12 46.66	+19.853	0
19	[ε Androm.]	4.3	0 33 41.461	+3.1629	− 172	+28 48 44.31	+19.579	− 251
20	δ Androm.	3.2	0 34 24.305	+3.2000	+ 106	+30 21 27.62	+19.741	− 84
21	α Cassiopejae	(2.2)	0 35 16.772	+3.3825	+ 60	+56 1 58.37	+19.779	− 29
22	β Ceti	2.2	0 38 58.317	+3.0128	+ 161	−18 29 29.45	+19.797	+ 39
23	[η Phoenicis]	4.3	0 39 13.383	+2.7091	+ 5	−57 58 3.69	+19.745	− 9
24	21 Cassiopejae	5.8	0 39 33.359	+3.8937	− 56	+74 29 6.93	+19.725	− 23
25	ο Cassiopejae	4.7	0 39 35.607	+3.3277	+ 22	+47 46 51.35	+19.740	− 8
26	[λ² Sculptoris]	5.9	0 39 45.226	+2.9040	+ 179	−38 55 42.85	+19.860	+ 114
27	ζ Androm.	4.1	0 42 27.562	+3.1734	− 75	+23 46 0.43	+19.626	− 79
28	[δ Piscium]	4.4	0 43 54.469	+3.1093	+ 44	+ 7 5 4.07	+19.634	− 46
29	[Br. 82]	5.7	0 45 8.137	+3.6085	+ 59	+63 44 48.48	+19.655	− 4
31	[λ Hydri]	5.3	0 45 24.190	+2.1013	+ 402	−75 25 27.17	+19.626	− 26
30	[19 Ceti]	5.4	0 45 31.122	+3.0046	− 159	−11 8 22.93	+19.430	− 223
32	γ Cassiopejae	2.0	0 51 8.847	+3.5929	+ 37	+60 13 7.25	+19.544	− 4
34	[λ Tucanae]	5.3	0 51 34.107	+2.2489	− 33	−70 1 28.39	+19.496	− 45
33	μ Androm.	3.9	0 51 38.555	+3.3185	+ 129	+38 0 1.78	+19.577	+ 36
35	α Sculptoris	4.1	0 54 10.388	+2.8924	− 5	−29 51 16.70	+19.483	− 6

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0".001
			h m s	s		° ′ ″	″	
36	ε Piscium	4.2	0 58 10.018	+3.1104	— 55	+ 7 23 41.99	+19.435	+ 30
37	[26 Ceti]	6.2	0 59 4.889	+3.0857	+ 81	+ 0 52 25.72	+19.345	— 38
38	β Phoenicis	3.2	1 1 58.715	+2.6812	— 57	—47 12 41.06	+19.301	— 16
39	[ι Tucanae]	5.5	1 3 40.124	+2.3856	+ 102	—62 15 59.61	+19.274	— 4
40	[η Ceti]	3.3	1 3 57.674	+3.0169	+ 138	—10 40 11.33	+19.140	—131
41	[44 H. Ceph.]	5.7	1 4 17.479	+5.0421	+ 331	+79 11 4.18	+19.272	+ 9
42	β Androm.	2.1	1 4 34.617	+3.3490	+ 151	+35 7 58.84	+19.145	—112
43	[τ Piscium]	4.3	1 6 35.409	+3.2955	+ 56	+29 36 4.74	+19.166	— 41
44	[Sculpt. 102 G.]	6.0	1 8 31.088	+2.7650	+ 39	—38 20 38.12	+19.130	— 27
45	υ Piscium	4.6	1 14 24.391	+3.2891	+ 15	+26 46 50.43	+18.990	— 11
46	[ψ Cassiop.]	5.0	1 19 25.225	+4.1896	+ 134	+67 39 0.37	+18.888	+ 33
47	ϑ Ceti	3.4	1 19 25.470	+2.9978	— 55	— 8 39 28.47	+18.641	—214
48	δ Cassiopejae	2.7	1 19 47.301	+3.8938	+ 397	+59 45 26.60	+18.800	— 43
49	[γ Phoenicis]	3.2	1 24 22.209	+2.6076	— 38	—43 47 22.07	+18.486	—218
50	η Piscium	3.6	1 26 33.485	+3.2049	+ 15	+14 52 18.20	+18.627	— 7
51	40 Cassiopejae	5.5	1 31 8.678	+4.7193	— 19	+72 34 17.21	+18.475	— 6
52	υ Persei	3.6	1 32 20.344	+3.6641	+ 64	+48 9 44.45	+18.329	—113
53	[Hydri 14 G.]	6.3	1 33 1.980	+0.3581	— 68	—78 58 18.53	+18.289	—129
54	α Eridani	1	1 34 17.377	+2.2392	+ 122	—57 42 14.39	+18.337	— 37
55	43 Cassiopejae	5.9	1 35 30.783	+4.3922	+ 88	+67 34 40.94	+18.329	— 2
56	[ν Piscium]	4.5	1 36 38.529	+3.1187	— 16	+ 5 1 20.09	+18.292	+ 2
57	φ Persei	4.1	1 37 53.250	+3.7401	+ 26	+50 13 31.94	+18.230	— 15
58	[Sculpt. 129 G.]	5.8	1 37 59.627	+2.6446	— 58	—37 17 46.46	+18.218	— 23
59	τ Ceti	3.4	1 39 47.634	+2.7864	—1198	—16 25 18.65	+19.022	+848
60	ο Piscium	4.3	1 40 32.017	+3.1638	+ 47	+ 8 41 41.85	+18.200	+ 50
61	Lac. ε Sculpt.	5.3	1 41 20.193	+2.8095	+ 100	—25 30 44.56	+18.044	— 75
62	ζ Ceti	3.5	1 46 55.122	+2.9601	+ 22	—10 47 21.65	+17.870	— 34
63	ε Cassiopejae	3.3	1 47 45.916	+4.2770	+ 50	+63 13 2.52	+17.856	— 15
64	α Triang.	3.5	1 47 50.015	+3.4113	+ 12	+29 7 51.29	+17.636	—233
65	ξ Piscium	4.6	1 48 47.481	+3.1029	+ 13	+ 2 44 0.90	+17.850	+ 19
66	β Arietis	2.7	1 49 33.290	+3.3071	+ 66	+20 21 30.96	+17.691	—109
67	ψ Phoenicis	4.5	1 49 57.493	+2.4072	— 95	—46 45 11.46	+17.682	—101
68	χ Eridani	3.6	1 52 22.632	+2.3364	+ 713	—52 4 0.45	+17.955	+271
69	[η² Hydri]	4.7	1 52 36.126	+1.5160	+ 120	—68 5 58.98	+17.754	+ 79
70	50 Cassiopejae	4.0	1 55 33.517	+5.0477	— 90	+71 58 35.54	+17.576	+ 25

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0ˢ.0001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
			h m s	s		° ′ ″	″	
71	υ Ceti	3.9	1 55 40.211	+2.8267	+ 91	−21 31 24.10	+17.534	− 14
72	α Hydri	2.9	1 55 52.227	+1.8906	+362	−62 1 2.55	+17.560	+ 21
73	γ Androm.	2.1	1 58 14.816	+3.6681	+ 43	+41 53 18.75	+17.383	− 54
74	α Arietis	2.0	2 1 59.034	+3.3744	+138	+23 1 39.95	+17.132	−143
75	β Triang.	3.0	2 4 3.890	+3.5587	+122	+34 33 8.88	+17.141	− 40
76	55 Cassiopejae	6.3	2 7 14.966	+4.6607	− 10	+66 5 37.13	+17.037	+ 3
77	[6 Persei]	5.7	2 7 28.784	+3.9690	+367	+50 38 19.61	+16.857	−169
78	Lac. μ Forn.	5.2	2 8 51.418	+2.6432	+ 13	−31 9 18.57	+16.962	− 2
79	[γ Triang.]	4.2	2 11 50.451	+3.5560	+ 37	+33 25 19.55	+16.778	− 44
80	67 Ceti	5.8	2 12 23.622	+2.9903	+ 55	− 6 50 44.95	+16.685	−109
81	[ϑ Arietis]	5.7	2 13 0.327	+3.3305	− 9	+19 28 33.19	+16.763	− 2
82	[φ Eridani]	3.5	2 13 13.324	+2.1435	+ 82	−51 56 16.40	+16.718	− 36
83	[κ Fornacis]	5.4	2 18 19.969	+2.7453	+142	−24 14 2.83	+16.442	− 63
84	[λ Horologii]	5.5	2 22 19.537	+1.6760	− 94	−60 43 24.98	+16.166	−138
85	ξ² Ceti	4.2	2 23 15.943	+3.1856	+ 26	+ 8 2 52.92	+16.252	− 4
86	[κ Eridani]	4.1	2 23 36.719	+2.1985	− 1	−48 6 59.83	+16.214	− 23
87	36 H. Cassiop.	5.4	2 29 15.891	+5.6230	− 60	+72 24 59.35	+15.964	+ 21
88	[λ¹ Fornacis]	6.0	2 29 16.787	+2.4997	− 43	−35 3 16.10	+15.910	− 32
89	ν Arietis	5.6	2 33 35.354	+3.3996	− 9	+21 33 50.29	+15.695	− 16
90	μ Hydri	5.5	2 33 36.103	−1.3633	+478	−79 30 39.04	+15.679	− 32
91	δ Ceti	3.9	2 34 45.930	+3.0721	+ 7	− 0 4 4.86	+15.645	− 2
92	[Br. 366]	6.3	2 36 53.780	+5.1087	+ 26	+67 26 3.50	+15.500	− 29
93	ϑ Persei	4.1	2 37 54.585	+4.0788	+346	+48 50 23.19	+15.387	− 88
94	[35 Arietis]	4.7	2 38 2.973	+3.5119	+ 4	+27 18 57.89	+15.458	− 7
95	[ε Hydri]	4.0	2 38 10.245	+0.9114	+167	−68 39 39.88	+15.464	+ 5
96	[γ Ceti]	3.4	2 38 31.920	+3.1052	− 98	+ 2 50 54.39	+15.290	−149
97	π Ceti	4.0	2 39 44.615	+2.8539	− 8	−14 14 52.75	+15.362	− 9
98	μ Ceti	4.2	2 39 58.005	+3.2385	+189	+ 9 43 33.86	+15.329	− 30
99	[η Persei]	3.8	2 43 58.671	+4.3515	+ 28	+55 30 51.05	+15.120	− 11
100	41 Arietis	3.6	2 44 33.912	+3.5233	+ 51	+26 52 54.24	+14.984	−113
101	β Fornacis	4.4	2 45 14.389	+2.5103	+ 61	−32 47 31.16	+15.216	+158
102	τ² Eridani	4.8	2 46 51.912	+2.7203	− 39	−21 22 58.87	+14.934	− 30
103	τ Persei	4.0	2 47 43.669	+4.2319	+ 3	+52 23 11.25	+14.911	− 1
104	η Eridani	3.7	2 51 55.930	+2.9291	+ 52	− 9 15 50.25	+14.446	−218
105	47 H. Cephei	5.8	2 53 49.015	+7.8148	−113	+79 3 22.10	+14.572	+ 21

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			h m s	s		° ′ ″	″	
106	ϑ Eridani	2.9	2 54 46.300	+2.2724	— 68	—40 40 22.70	+14.523	+ 28
107	α Ceti	2.5	2 57 28.116	+3.1326	— 9	+ 3 43 45.08	+14.255	— 76
108	γ Persei	3.0	2 58 7.559	+4.3230	+ 2	+53 8 48.01	+14.287	— 4
109	ρ Persei	(3.8)	2 59 16.594	+3.8327	+ 115	+38 29 3.44	+14.118	—103
110	μ Horologii	5.1	3 1 26.589	+1.4074	— 118	—60 5 39.99	+14.017	— 68
113	[ϑ Hydri]	5.7	3 2 3.519	+0.0969	+ 51	—72 15 42.05	+14.070	+ 23
111	β Persei	(2.2)	3 2 10.690	+3.8908	+ 7	+40 36 6.20	+14.039	— 1
112	[ι Persei]	4.1	3 2 25.269	+4.3100	+1295	+49 15 44.59	+13.953	— 80
114	δ Arietis	4.3	3 6 21.937	+3.4245	+ 106	+19 22 45.18	+13.773	— 3
116	[94 Ceti]	5.2	3 8 4.678	+3.0599	+ 137	— 1 32 23.41	+13.606	— 61
117	12 Eridani	3.6	3 8 9.724	+2.5464	+ 235	—29 20 57.96	+14.308	+645
115	48 H. Cephei	5.9	3 8 36.807	+7.4735	+ 182	+77 23 51.93	+13.590	— 44
118	[Horol. 38 G.]	6.1	3 10 13.163	+1.5140	— 5	—57 39 57.24	+13.522	— 6
119	[e Eridani]	4.2	3 16 15.251	+2.3960	+2789	—43 25 17.36	+13.873	+739
120	α Persei	1.9	3 17 44.915	+4.2655	+ 29	+49 32 3.47	+13.009	— 26
121	ο Tauri	3.6	3 19 51.636	+3.2247	— 44	+ 8 42 19.85	+12.819	— 76
122	2 H. Camelop.	4.4	3 21 36.623	+4.8290	— 1	+59 37 13.48	+12.784	+ 7
123	[ξ Tauri]	3.6	3 22 10.875	+3.2474	+ 39	+ 9 24 44.27	+12.694	— 45
124	[σ Persei]	4.8	3 24 4.976	+4.2143	+ 9	+47 40 41.53	+12.633	+ 23
125	f Tauri	4.1	3 25 47.503	+3.3078	+ 13	+12 37 18.48	+12.489	— 5
126	[κ Reticuli]	4.8	3 27 45.997	+1.0351	+ 513	—63 15 42.16	+12.720	+362
127	ε Eridani	3.5	3 28 35.728	+2.8250	— 658	— 9 46 9.65	+12.308	+ 9
128	[Horol. 45 G.]	5.8	3 29 49.983	+1.7831	+ 49	—50 41 25.93	+12.295	+ 82
130	[y Eridani]	4.5	3 33 47.551	+2.1515	— 16	—40 34 33.99	+11.914	— 24
129	[Gr. 716]	5.4	3 34 9.723	+5.1726	— 21	+62 55 9.20	+11.934	+ 22
131	δ Persei	3.0	3 36 22.166	+4.2568	+ 32	+47 29 38.28	+11.722	— 35
132	[o Persei]	3.9	3 38 32.775	+3.7542	+ 8	+31 59 50.20	+11.585	— 17
133	[δ Fornacis]	4.9	3 38 35.322	+2.3848	— 4	—32 13 55.11	+11.606	+ 7
135	[δ Eridani]	3.4	3 38 50.406	+2.8719	— 66	—10 4 27.84	+12.328	+747
134	ν Persei	3.9	3 38 56.365	+4.0642	— 8	+42 17 18.62	+11.569	— 5
136	[17 Tauri]	4.0	3 39 24.584	+3.5566	+ 17	+23 49 28.55	+11.498	— 43
137	[24 Eridani]	5.4	3 39 50.061	+3.0448	+ 1	— 1 27 10.39	+11.502	— 8
138	5 H. Camelop.	4.5	3 40 37.858	+6.2712	+ 42	+71 2 58.78	+11.413	— 40
139	η Tauri	3.0	3 42 0.790	+3.5604	+ 18	+23 49 16.17	+11.307	— 47
140	τ^6 Eridani	4.1	3 42 53.349	+2.5798	— 122	—23 31 15.84	+10.769	—520

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			h m s	s		° ′ ″	″	
141	β Reticuli	3.8	3 43 2.559	+0.7406	+479	−65 5 46.92	+11.342	+ 63
142	[27 Tauri]	3.8	3 43 41.346	+3.5613	+ 14	+23 46 21.40	+11.188	− 45
143	η Eridani	4.1	3 46 0.670	+2.2445	− 40	−36 28 42.77	+11.011	− 53
144	ζ Persei	2.9	3 48 20.756	+3.7641	+ 11	+31 36 39.48	+10.881	− 11
146	γ Hydri	3.1	3 48 39.282	−0.9701	+122	−74 31 16.23	+10.980	+110
145	9 H. Camelop.	5.5	3 49 17.063	+5.0883	− 13	+60 50 24.13	+10.807	− 16
147	ε Persei	3.0	3 51 40.581	+4.0163	+ 23	+39 44 40.66	+10.617	− 29
148	ξ Persei	4.0	3 52 59.544	+3.8848	+ 10	+35 31 37.36	+10.541	− 8
149	γ Eridani	3.0	3 53 44.179	+2.7977	+ 43	−13 46 11.47	+10.383	−112
150	λ Tauri	(3.5)	3 55 34.880	+3.3200	− 4	+12 13 51.12	+10.343	− 14
151	ν Tauri	3.9	3 58 15.657	+3.1887	+ 5	+ 5 43 4.15	+10.146	− 10
153	[Erid. 174 G.]	5.7	4 1 49.886	+2.4716	+149	−27 54 11.48	+ 9.992	+109
152	c Persei	4.0	4 1 58.690	+4.3436	+ 33	+47 27 2.96	+ 9.841	− 32
154	o^1 Eridani	4.1	4 7 22.431	+2.9269	+ 8	− 7 4 37.39	+ 9.541	+ 82
155	α Horologii	3.7	4 10 57.096	+1.9851	+ 20	−42 31 15.38	+ 8.964	−218
156	α Reticuli	3.2	4 13 14.213	+0.7637	+ 49	−62 42 14.23	+ 9.051	+ 47
157	[γ Doradus]	4.2	4 13 36.842	+1.5671	+ 88	−51 43 6.56	+ 9.146	+172
160	υ^4 Eridani	3.3	4 14 24.701	+2.2680	+ 36	−34 1 21.47	+ 8.900	− 12
158	[54 Persei]	5.3	4 14 26.031	+3.8887	− 19	+34 20 42.69	+ 8.904	− 6
159	[γ Tauri]	3.7	4 14 33.363	+3.4106	+ 82	+15 24 21.41	+ 8.873	− 28
161	[Erid. 212 G.]	5.4	4 16 38.230	+2.6177	+ 35	−20 51 30.80	+ 8.753	+ 16
162	δ Tauri	3.8	4 17 37.645	+3.4563	+ 78	+17 19 38.14	+ 8.630	− 31
163	[η Reticuli]	5.3	4 20 53.508	+0.6398	+125	−63 36 16.84	+ 8.561	+160
164	ε Tauri	3.5	4 23 14.573	+3.4997	+ 81	+18 58 36.98	+ 8.180	− 35
166	[δ Mensae]	5.8	4 24 10.562	−4.1617	+ 92	−80 25 47.85	+ 8.213	+ 73
165	[1 Camel. seq.]	6.3	4 24 44.323	+4.7383	+ 7	+53 42 41.59	+ 8.094	0
167	[δ Caeli]	5.2	4 28 0.973	+1.8352	− 6	−45 9 3.68	+ 7.814	− 17
168	α Tauri	1	4 30 38.400	+3.4394	+ 49	+16 19 29.49	+ 7.431	−188
169	ν Eridani	3.8	4 31 43.278	+2.9960	+ 3	− 3 32 24.39	+ 7.528	− 4
170	[υ^2 Eridani]	3.5	4 31 58.380	+2.3307	− 45	−30 45 0.95	+ 7.505	− 6
171	α Doradus	3.2	4 32 0.515	+1.2944	+ 71	−55 14 5.22	+ 7.512	+ 3
172	53 Eridani	3.9	4 33 57.975	+2.7459	− 44	−14 29 0.56	+ 7.185	−165
173	Gr. 848	6.2	4 36 26.211	+8.0085	+108	+75 46 29.85	+ 7.015	−133
174	τ Tauri	4.2	4 36 43.298	+3.5976	+ 6	+22 46 51.55	+ 7.106	− 19
175	4 Camelop.	5.5	4 40 20.104	+4.9839	+ 61	+56 35 40.32	+ 6.683	−146

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0ˢ.0001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
			h m s	s		° ′ ″	″	
176	[μ Eridani]	3.8	4 40 54.096	+2.9985	+ 14	− 3 25 22.23	+6.771	− 12
177	[μ Mensae]	5.5	4 43 58.774	−0.6163	+ 18	+71 5 59.13	+6.557	+ 29
178	9 Camelop.	4.3	4 44 53.803	+5.9401	+ 5	+66 11 14.53	+6.461	+ 10
179	[π⁴ Orionis]	3.7	4 46 18.305	+3.1934	0	+ 5 26 53.68	+6.329	− 7
180	π⁵ Orionis	3.7	4 49 27.488	+3.1236	− 1	+ 2 17 25.75	+6.071	− 3
181	ι Aurigae	2.7	4 51 0.032	+3.9031	+ 10	+33 1 15.76	+5.925	− 20
182	10 Camelop.	4.1	4 55 13.777	+5.3233	0	+60 18 31.03	+5.579	− 12
183	ε Aurigae	(3.2)	4 55 21.878	+4.2992	+ 6	+43 41 16.18	+5.566	− 14
184	ι Tauri	4.8	4 57 35.729	+3.5838	+ 54	+21 27 32.88	+5.350	− 42
185	η Aurigae	3.3	5 0 3.666	+4.2024	+ 33	+41 6 38.52	+5.112	− 71
186	ε Leporis	3.2	5 1 33.978	+2.5390	+ 20	−22 29 39.12	+4.988	− 68
187	[η² Pictoris]	5.1	5 2 34.869	+1.5483	+ 35	−49 42 7.55	+4.976	+ 6
188	β Eridani	2.7	5 3 19.585	+2.9486	− 59	− 5 12 17.68	+4.828	− 80
189	[ζ Doradus]	4.7	5 3 55.865	+1.0226	− 69	−57 35 53.52	+4.958	+103
190	[λ Eridani]	4.2	5 4 44.592	+2.8701	+ 3	− 8 52 17.76	+4.782	− 4
192	μ Aurigae	5.1	5 7 7.860	+4.1016	− 13	+38 22 34.10	+4.505	− 79
191	19 H. Camelop.	5.1	5 7 22.580	+9.8158	−316	+79 7 37.47	+4.724	+160
193	α Aurigae	1	5 9 53.448	+4.4279	+ 86	+45 54 18.51	+3.921	−428
194	β Orionis	1	5 10 6.950	+2.8821	+ 2	− 8 18 26.84	+4.329	0
195	[τ Orionis]	3.7	5 13 8.318	+2.9120	− 12	− 6 56 36.10	+4.063	− 7
196	ϑ Doradus	4.8	5 13 49.530	−0.0548	+ 12	−67 17 19.72	+4.049	+ 38
197	[o Columbae]	4.9	5 14 9.942	+2.1622	+ 64	−34 59 5.00	+3.654	−328
198	[Columb. 12 G.]	6.0	5 15 43.662	+2.3916	+ 9	−27 27 47.04	+3.838	− 11
199	[ζ Pictoris]	5.6	5 17 6.641	+1.4687	+ 8	−50 42 16.53	+3.957	+227
200	[η Orion. m.]	3.3	5 19 51.063	+3.0159	+ 5	− 2 28 52.65	+3.495	− 1
201	γ Orionis	1.7	5 20 11.761	+3.2168	− 3	+ 6 16 0.49	+3.444	− 20
202	β Tauri	1.8	5 20 28.523	+3.7914	+ 26	+28 31 49.34	+3.263	−177
203	17 Camelop.	5.9	5 21 28.646	+5.6571	− 3	+62 59 28.50	+3.353	− 1
204	[β Leporis]	2.9	5 24 18.206	+2.5706	+ 5	−20 49 56.73	+3.017	− 93
206	δ Orionis	2.2	5 27 18.347	+3.0640	0	− 0 22 0.34	+2.848	− 2
205	Gr. 966	6.6	5 27 24.972	+8.0034	− 8	+74 59 3.10	+2.859	+ 20
207	α Leporis	2.6	5 28 40.327	+2.6454	+ 3	−17 53 15.84	+2.735	+ 2
208	[φ¹ Orionis]	4.6	5 29 46.157	+3.2924	− 1	+ 9 25 39.92	+2.627	− 10
209	ι Orionis	2.8	5 30 55.945	+2.9343	+ 5	− 5 58 11.46	+2.531	− 4
210	ε Orionis	1.6	5 31 32.676	+3.0433	+ 1	− 1 15 36.75	+2.480	− 3

Nr.	Name	Gr.	AR 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0".001
211	ζ Tauri	3.0	5h 32m 8s.747	+3s.5846	+ 6	+21° 5' 13".17	+2".404	− 26
212	β Doradus	3.7	5 32 49.528	+0.5172	− 7	−62 32 59.48	+2.369	− 2
213	[σ Orionis]	3.8	5 34 7.625	+3.0110	0	− 2 39 9.73	+2.258	− 1
214	[γ Mensae]	5.3	5 35 31.284	−2.3956	+273	−76 24 24.79	+2.437	+300
215	α Columbae	2.4	5 36 19.003	+2.1715	− 2	−34 7 22.20	+2.031	− 37
216	o Aurigae	5.7	5 38 46.337	+4.6458	− 6	+49 47 12.34	+1.845	− 4
217	[γ Leporis]	3.8	5 40 37.692	+2.5016	−200	−22 28 40.90	+1.315	−377
218	[130 Tauri]	5.8	5 42 4.329	+3.4980	+ 4	+17 41 42.80	+1.561	− 6
219	ζ Leporis	3.5	5 42 47.185	+2.7178	− 12	−14 51 20.84	+1.502	− 2
220	κ Orionis	2.1	5 43 23.572	+2.8449	+ 4	− 9 42 6.67	+1.448	− 3
221	[ν Aurigae]	3.9	5 45 6.771	+4.1567	− 4	+39 7 19.97	+1.312	+ 11
222	[δ Leporis]	3.8	5 47 21.882	+2.5801	+167	−20 53 11.39	+0.454	−652
223	[β Columbae]	2.9	5 47 42.938	+2.1131	+ 32	−35 48 9.01	+1.477	+403
224	α Orionis	1	5 50 11.440	+3.2477	+ 20	+ 7 23 25.73	+0.872	+ 14
225	δ Aurigae	3.8	5 51 57.107	+4.9398	+100	+54 16 42.40	+0.583	−122
226	[η Leporis]	3.6	5 52 12.865	+2.7321	− 27	−14 11 2.54	+0.821	+139
227	β Aurigae	1.9	5 52 46.819	+4.4011	− 42	+44 56 19.61	+0.622	− 8
228	ϑ Aurigae	2.7	5 53 26.860	+4.0916	+ 49	+37 12 24.50	+0.485	− 88
229	η Columbae	3.9	5 56 19.833	+1.8365	+ 22	−42 49 12.19	+0.288	− 33
230	[66 Orionis]	5.9	6 0 6.685	+3.1693	− 6	+ 4 9 51.54	−0.024	− 15
231	[Puppis 1 G.]	5.8	6 1 49.531	+1.7260	− 84	−45 2 9.30	+0.074	+232
232	ν Orionis	4.4	6 2 19.152	+3.4261	+ 11	+14 46 47.76	−0.234	− 31
233	[36 Camelop.]	5.6	6 3 35.715	+6.0367	− 5	+65 44 15.48	−0.343	− 29
235	[δ Pictoris]	5.0	6 8 30.353	+1.1667	− 22	−54 56 52.53	−0.751	− 7
234	22 H. Camelop.	4.6	6 8 42.630	+6.6186	+ 17	+69 21 12.03	−0.863	−102
236	η Geminor.	3.3	6 9 19.467	+3.6223	− 42	+22 32 2.77	−0.828	− 13
237	[2 Lyncis]	4.4	6 11 30.406	+5.2970	− 7	+59 2 42.35	−0.978	+ 29
239	[α Mensae]	5.1	6 12 58.697	−1.7881	+239	−74 43 18.41	−1.359	−225
238	[κ Columbae]	4.4	6 13 16.726	+2.1338	− 7	−35 6 34.40	−1.087	+ 74
240	ζ Canis maj.	2.9	6 16 46.852	+2.3025	+ 1	−30 1 19.46	−1.465	+ 4
241	μ Geminor.	2.9	6 17 23.708	+3.6311	+ 48	+22 33 41.21	−1.630	−111
242	ψ¹ Aurigae	5.1	6 17 48.831	+4.6243	+ 9	+49 20 8.26	−1.560	− 3
243	β Canis maj.	2.0	6 18 38.879	+2.6416	− 4	−17 54 35.23	−1.628	+ 2
244	8 Monocer.	4.5	6 18 53.591	+3.1799	− 7	+ 4 38 24.31	−1.647	+ 4
245	α Argus	1	6 21 54.512	+1.3313	+ 16	−52 38 42.55	−1.904	+ 9

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
246	10 Monocer.	5.0	6h 23m 24s.993	+ 2s.9628	− 2	− 4° 42′ 17″.41	−2″.040	+ 5
247	8 Lyncis	6.3	6 29 17.098	+ 5.4923	−283	+61 33 46.27	−2.834	− 278
248	23 H. Camelop.	5.6	6 30 32.785	+10.3120	−267	+79 39 56.16	−3.287	− 623
249	ξ² Canis maj.	4.6	6 31 12.017	+ 2.5140	+ 6	−22 53 29.36	−2.707	+ 13
250	51 Aurigae	6.1	6 32 17.096	+ 4.1604	− 18	+39 28 21.29	−2.929	− 115
251	γ Geminor.	2.0	6 32 23.858	+ 3.4673	+ 35	+16 28 42.11	−2.870	− 45
252	ν Argus	3.1	6 34 56.754	+ 1.8354	− 4	−43 6 54.09	−3.064	− 19
253	*S* Monocer.	(4.4)	6 35 54.716	+ 3.3054	+ 6	+ 9 58 52.92	−3.132	− 5
254	ε Geminor.	3.1	6 38 16.370	+ 3.6937	+ 4	+25 13 22.16	−3.346	− 15
255	[ψ⁵ Aurigae]	5.5	6 40 6.585	+ 4.3293	+ 6	+43 40 10.66	−3.336	+ 154
256	ξ Geminor.	3.4	6 40 7.584	+ 3.3689	− 74	+12 59 43.14	−3.691	− 200
257	α Canis maj.[1])	1	6 41 5.751	+ 2.6445	−366	−16 35 22.21	−4.792	−1215
258	18 Monocer.	4.7	6 43 3.859	+ 3.1298	− 2	+ 2 30 47.88	−3.765	− 20
259	[43 Camelop.]	5.1	6 43 47.377	+ 6.4915	+ 17	+68 59 46.37	−3.805	− 3
260	[24 H. Camel.]	4.6	6 46 39.647	+ 8.8070	+217	+77 5 45.32	−4.065	− 13
261	ϑ Geminor.	3.4	6 46 43.599	+ 3.9585	+ 7	+34 4 21.98	−4.113	− 55
262	α Pictoris	3.2	6 47 14.874	+ 0.6182	−103	−61 50 32.54	−3.847	+ 256
263	[τ Argus]	2.9	6 47 39.179	+ 1.4888	+ 29	−50 30 17.41	−4.234	− 96
264	[ζ Mensae]	5.7	6 47 43.006	− 4.9315	− 41	−80 43 1.70	−4.059	+ 85
265	15 Lyncis	4.6	6 49 18.800	+ 5.2069	0	+58 32 39.00	−4.410	− 130
266	ϑ Canis maj.	4.1	6 49 54.938	+ 2.7876	− 94	−11 55 22.63	−4.345	− 14
267	[ι Volantis]	5.4	6 52 30.310	− 0.6757	− 6	−70 50 55.91	−4.556	+ 12
268	ε Canis maj.	1.5	6 55 0.571	+ 2.3573	0	−28 50 47.32	−4.764	+ 1
269	ζ Geminor.	(3.8)	6 58 39.201	+ 3.5612	0	+20 42 21.06	−5.078	− 3
270	[o² Canis maj.]	3.1	6 59 10.967	+ 2.5052	− 1	−23 41 54.48	−5.118	+ 1
271	γ Canis maj.	4.0	6 59 35.791	+ 2.7151	+ 8	−15 29 48.94	−5.167	− 13
272	[Carinae 27 G.]	5.5	7 2 35.373	+ 1.1177	− 24	−56 36 35.26	−5.413	− 7
273	δ Canis maj.	1.9	7 4 39.005	+ 2.4388	− 7	−26 14 48.28	−5.577	+ 3
274	63 Aurigae	5.0	7 5 19.756	+ 4.1330	+ 45	+39 28 16.66	−5.636	0
275	[*J* Puppis]	4.5	7 9 56.198	+ 1.7095	−148	−46 36 19.27	−5.932	+ 91
276	[64 Aurigae]	6.0	7 11 38.534	+ 4.1794	− 3	+41 2 50.29	−6.162	+ 3
277	λ Geminor.	3.6	7 12 48.401	+ 3.4504	− 31	+16 42 24.72	−6.306	− 41
278	π Argus	2.5	7 13 53.574	+ 2.1183	− 14	−36 55 54.96	−6.349	+ 3
279	δ Geminor.	3.3	7 14 37.790	+ 3.5869	− 10	+22 9 8.46	−6.423	− 11
280	19 Lync. seq.	5.5	7 15 21.873	+ 4.9096	− 1	+55 27 19.76	−6.508	− 34

[1]) Ort des Schwerpunkts. Die Reduktion auf den Hauptstern ist nach Auwers (Astron. Nachr. 3929):

1908.0	$\Delta\alpha = -0^s.190$	$\Delta\delta = +0''.21$
1909.0	$-0^s.198$	$+0''.07$

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
281	δ Volantis	4.0	7h 16m 52s.801	−0s.0176	+ 4	−67° 47′ 19″.81	− 6″.612	− 13
282	ι Geminor.	3.8	7 20 0.865	+3.7314	− 83	+27 58 53.50	− 6.945	− 86
283	[η Can. maj.]	2.4	7 20 27.353	+2.3729	− 4	−29 7 23.39	− 6.880	+ 14
284	Gr. 1308	5.8	7 21 18.899	+6.2786	− 7	+68 39 16.30	− 7.007	− 44
285	β Canis min.	2.9	7 22 9.742	+3.2559	− 31	+ 8 28 30.81	− 7.075	− 41
286	ρ Geminor.	4.4	7 23 11.744	+3.8643	+122	+31 58 5.21	− 6.935	+ 183
287	α Gemin.[1]	1.8.2.8	7 28 43.767	+3.8356	−129	+32 5 28.09	− 7.652	− 82
288	[Pupp. 108 G.]	4.7	7 30 6.876	+2.5675	− 38	−22 5 49.61	− 7.662	+ 18
289	25 Monocer.	5.3	7 32 42.265	+2.9838	− 47	− 3 54 18.34	− 7.866	+ 20
290	[f Puppis]	4.7	7 33 57.824	+2.2192	− 27	−34 45 40.34	− 7.974	+ 16
291	α Can. min.[2]	0.5	7 34 29.204	+3.1430	−466	+ 5 27 40.75	− 9.065	−1031
292	24 Lyncis	5.0	7 35 13.694	+5.0968	− 47	+58 55 34.91	− 8.146	− 53
293	[26 Monocer.]	4.0	7 36 51.097	+2.8665	− 57	− 9 20 9.88	− 8.243	− 22
294	κ Geminor.	3.4	7 38 53.717	+3.6272	− 12	+24 37 9.07	− 8.440	− 54
295	β Geminor.	1.1	7 39 41.282	+3.6768	−468	+28 14 56.26	− 8.505	− 56
296	π Geminor.	5.5	7 41 34.628	+3.8759	0	+33 38 31.46	− 8.627	− 31
297	ζ Volantis	3.9	7 42 57.316	−0.7181	+ 9	−72 23 6.71	− 8.699	+ 7
298	[Pupp. 205 G.]	5.7	7 47 30.713	+2.7790	− 40	−13 39 12.61	− 9.405	− 342
299	[26 Lyncis]	5.7	7 48 1.014	+4.3818	− 40	+47 48 13.46	− 9.109	− 7
301	[α Puppis]	3.7	7 49 3.239	+2.0619	− 18	−40 20 17.30	− 9.182	+ 1
300	Gr. 1374	5.5	7 49 11.967	+7.2564	− 30	+74 9 53.00	− 9.226	− 32
302	[53 Camelop.]	6.3	7 53 51.330	+5.1525	− 30	+60 34 36.02	− 9.575	− 22
303	χ Argus	3.5	7 54 26.410	+1.5272	− 32	−52 44 6.69	− 9.575	+ 24
304	[27 Monocer.]	5.2	7 55 8.448	+2.9997	− 27	− 3 25 41.73	− 9.643	+ 9
305	χ Geminor.	5.1	7 57 52.201	+3.6911	− 14	+28 3 10.18	− 9.907	− 46
306	ζ Argus	2.2	8 0 20.996	+2.1076	− 34	−39 44 37.05	−10.039	+ 11
307	27 Lyncis	4.6	8 1 32.509	+4.5299	− 59	+51 46 21.03	−10.144	− 5
308	ι Navis	2.8	8 3 37.540	+2.5546	− 64	−24 2 19.37	−10.250	+ 46
309	γ Argus	2.1	8 6 41.805	+1.8489	− 12	−47 3 54.54	−10.531	− 5
310	Br. 1147	5.8	8 8 0.344	+7.6369	+ 58	+76 2 19.73	−10.606	+ 17
311	20 Navis	5.3	8 9 6.267	+2.7581	− 8	−15 30 38.30	−10.709	− 6
312	β Cancri	3.5	8 11 31.629	+3.2567	− 30	+ 9 28 10.34	−10.936	− 52
313	[q Puppis]	4.4	8 15 6.626	+2.2440	−103	−36 22 25.83	−11.057	+ 89
314	31 Lyncis	4.4	8 16 32.468	+4.1208	− 8	+43 29 1.61	−11.357	− 108
315	ε Argus	1.7	8 20 37.633	+1.2353	− 33	−59 12 47.30	−11.527	+ 16

[1]) AR. der Mitte, Dekl. des folgenden, helleren Sterns.

[2]) Ort des Schwerpunkts. Die Reduktion auf den Ort des sichtbaren Sterns beträgt nach Auwers (Astron. Nachr. 3929):

1908.0 $\Delta\alpha = -0^s.014$ $\Delta\delta = -0''.87$

1909.0 $-0^s.022$ $-0''.84$

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0".001
316	Br. 1197	3.6	8h 21m 3s.851	+2.9996	— 41	— 3° 36′ 21″.10	—11″.595	— 21
317	o Ursae maj.	3.3	8 22 37.731	+5.0162	—174	+61 1 35.05	—11.799	—111
318	ϑ Chamael.	4.2	8 23 24.778	—1.7360	—455	—77 11 16.38	—11.712	+ 29
319	[β Volantis]	3.7	8 24 44.323	+0.6639	— 52	—65 49 46.98	—12.000	—177
320	Gr. 1450	6.3	8 26 56.345	+3.9111	— 83	+38 19 56.83	—12.160	—170
321	η Cancri	5.6	8 27 23.437	+3.4753	— 25	+20 45 15.05	—12.072	— 50
322	[Gr. 1446]	6.4	8 29 29.895	+6.7613	— 35	+73 57 8.27	—12.276	—104
323	[Gr. 1460]	6.3	8 32 28.937	+4.4657	— 38	+53 2 4.31	—12.410	— 29
324	[e Velorum]	4.2	8 34 24.492	+2.1077	— 22	—42 40 1.02	—12.477	— 7
325	[6 Hydrae]	5.4	8 35 39.938	+2.8423	— 64	—12 8 59.14	—12.597	— 4
326	δ Cancri	3.9	8 39 27.523	+3.4148	— 8	+18 29 34.38	—13.085	—236
327	α Pyxidis	3.7	8 39 53.699	+2.4097	— 14	—32 51 15.76	—12.868	+ 11
328	ι Cancri	4.1	8 41 7.962	+3.6388	— 12	+29 5 48.84	—13.008	— 47
329	[ε Hydrae]	3.3	8 41 54.314	+3.1804	—126	+ 6 45 24.40	—13.059	— 51
330	δ Argus	2.0	8 42 9.798	+1.6577	+ 23	—54 22 16.55	—13.123	— 93
331	[η Chamael.]	5.9	8 44 28.037	—1.9492	—139	—78 37 46.43	—13.148	+ 34
332	[γ Pyxidis]	4.2	8 46 37.632	+2.5457	— 99	—27 22 5.69	—13.231	+ 93
333	[σ² Cancri med.]	5.6	8 48 38.057	+3.6691	+ 32	+30 55 41.75	—13.480	— 19
334	ζ Hydrae	3.1	8 50 31.904	+3.1745	— 64	+ 6 17 45.96	—13.566	+ 11
335	ι Ursae maj.	2.9	8 52 54.836	+4.1256	—437	+48 24 12.04	—13.983	—248
336	c Carinae	4.0	8 52 57.806	+1.3636	— 26	—60 17 34.03	—13.682	+ 51
337	α Cancri	4.1	8 53 27.430	+3.2854	+ 26	+12 12 51.42	—13.799	— 35
338	[ρ Ursae maj.]	4.9	8 54 15.732	+5.4643	— 34	+67 59 19.63	—13.801	+ 22
339	10 Ursae maj.	3.9	8 54 40.334	+3.9090	—383	+42 8 50.94	—14.108	—265
340	[Gr. 1501]	5.9	8 57 16.344	+4.4195	— 8	+54 38 49.23	—14.003	+ 10
341	κ Ursae maj.	3.3	8 57 20.968	+4.1136	— 27	+47 31 15.09	—14.076	— 65
342	[c Velorum]	3.9	9 0 58.796	+2.0659	— 70	—46 43 52.44	—14.263	— 28
343	α Volantis	4.1	9 0 59.788	+0.9557	— 6	—66 1 43.50	—14.349	—113
344	σ² Ursae maj.	4.9	9 2 18.649	+5.3328	— 16	+67 30 31.27	—14.384	— 60
345	λ Argus	2.1	9 4 36.640	+2.2039	— 34	—43 3 38.93	—14.447	+ 10
346	[36 Lyncis]	5.3	9 7 47.468	+3.9394	— 18	+43 35 50.82	—14.691	— 35
347	ϑ Hydrae	3.9	9 9 34.730	+3.1242	+ 90	+ 2 42 10.01	—15.068	—313
348	β Argus	1.7	9 12 11.641	+0.6731	—302	—69 20 17.28	—14.813	+ 96
349	[38 Lyncis]	3.9	9 13 7.391	+3.7456	— 18	+37 11 32.43	—15.093	—130
350	83 Cancri	6.7	9 13 50.920	+3.3541	— 80	+18 5 44.79	—15.137	—128

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0".001
351	[ι Argus]	2.2	9h 14m 37s.614	+1s.6062	— 34	—58° 53′ 20″.35	—15″.049	+ 1
352	40 Lyncis	3.2	9 15 27.224	+3.6651	— 178	+34 46 55.13	—15.088	+ 12
353	κ Argus	2.5	9 19 15.818	+1.8561	— 22	—54 37 2.96	—15.313	+ 2
354	α Hydrae	2.0	9 23 4.018	+2.9490	— 7	— 8 15 34.10	—15.495	+ 32
355	*h* Ursae maj.	3.5	9 24 17.199	+4.7710	+ 169	+63 27 52.73	—15.566	+ 28
356	[ε Antliae]	4.7	9 25 26.829	+2.4737	— 25	—35 32 55.30	—15.673	— 14
357	*d* Ursae maj.	4.5	9 26 21.827	+5.3709	— 121	+70 14 7.12	—15.634	+ 83
358	ϑ Ursae maj.	3.1	9 26 42.616	+4.0338	—1028	+52 5 49.33	—16.280	—547
359	ψ Argus	3.6	9 27 4.522	+2.3598	— 171	—40 3 48.96	—15.673	+ 74
361	[*N* Velorum]	3.0	9 28 25.590	+1.8226	— 37	—56 37 41.48	—15.819	+ 1
360	10 Leon. min.	4.6	9 28 35.473	+3.6874	+ 13	+36 48 23.20	—15.855	— 18
362	[*Π* Carinae]	5.8	9 30 55.263	+0.4729	— 55	—72 40 21.98	—15.969	— 17
363	[Gr. 1564]	5.9	9 34 23.228	+5.1984	— 131	+69 39 24.26	—16.209	— 65
364	[κ Hydrae]	5.1	9 35 53.749	+2.8759	— 17	—13 54 52.28	—16.223	— 11
365	[ο Leonis]	3.8	9 36 14.520	+3.2057	— 94	+10 18 40.27	—16.268	— 38
366	ϑ Antliae	5.0	9 40 6.000	+2.6723	— 41	—27 20 52.72	—16.391	+ 35
367	ε Leonis	3.0	9 40 37.897	+3.4126	— 31	+24 11 53.53	—16.470	— 18
368	υ Ursae maj.	3.8	9 44 27.380	+4.2978	— 379	+59 28 18.81	—16.798	—154
369	υ Argus	3.0	9 44 48.160	+1.5016	— 21	—64 38 42.05	—16.660	— 1
370	6 Sextantis	6.2	9 46 35.904	+3.0242	+ 8	— 3 48 42.88	—16.775	— 30
371	[μ Leonis]	4.0	9 47 32.032	+3.4193	— 162	+26 26 26.18	—16.848	— 57
372	Gr. 1586	6.3	9 50 10.673	+5.4476	— 180	+73 19 2.80	—16.961	— 46
373	[Hydrae 183 G.]	5.5	9 50 31.856	+2.8294	— 25	—18 34 24.12	—16.999	— 66
374	[19 Leon. min.]	5.2	9 52 3.250	+3.6885	— 100	+41 29 38.63	—17.030	— 27
375	[φ Argus]	3.7	9 53 37.881	+2.1021	— 27	—54 7 46.65	—17.077	— 2
377	[η Antliae]	5.3	9 54 55.355	+2.5704	— 82	—35 27 1.31	—17.159	— 24
376	[12 Sextantis]	6.7	9 54 56.805	+3.1140	— 47	+ 3 49 29.68	—17.108	+ 27
378	π Leonis	4.9	9 55 21.181	+3.1735	— 21	+ 8 29 9.31	—17.179	— 25
379	η Leonis	3.4	10 2 19.118	+3.2756	— 2	+17 12 41.65	—17.467	— 6
380	α Leonis	1.3	10 3 28.434	+3.1989	— 167	+12 25 1.54	—17.512	— 1
381	λ Hydrae	3.7	10 6 6.186	+2.9249	— 134	—11 53 56.68	—17.709	— 87
382	*q* Velorum	3.9	10 10 52.296	+2.5120	— 154	—41 39 57.06	—17.773	+ 44
383	λ Ursae maj.	3.4	10 11 33.173	+3.6331	— 147	+43 22 26.58	—17.893	— 49
385	[ω Argus]	3.4	10 11 33.199	+1.4336	— 29	—69 34 51.22	—17.844	0
384	ζ Leonis	3.4	10 11 34.552	+3.3434	+ 16	+23 52 33.87	—17.852	— 7

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0ˢ.0001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
			h m s	s		° ′ ″	″	
386	μ Ursae maj.	3.0	10 16 51.154	+3.5882	− 70	+41 57 44.81	−18.025	+ 24
387	30 H. Urs. maj.	5.0	10 17 30.506	+4.3698	− 25	+66 1 55.16	−18.093	− 19
388	[25 Sextantis]	6.2	10 18 47.491	+3.0325	− 40	− 3 36 32.02	−18.126	− 2
389	μ Hydrae	3.9	10 21 38.443	+2.9006	− 85	−16 21 59.18	−18.310	− 82
390	31 Leon. min.	4.2	10 22 34.036	+3.4809	− 96	+37 10 44.08	−18.369	−106
391	*J* Carinae	4.1	10 22 34.228	+1.1978	− 64	−73 33 47.39	−18.278	− 16
392	Lac. α Antliae	4.2	10 22 56.443	+2.7414	− 62	−30 35 56.93	−18.266	+ 10
393	*s* Carinae	4.1	10 24 29.961	+2.1947	− 31	−58 16 10.04	−18.345	− 14
394	36 Ursae maj.	4.8	10 24 44.763	+3.8643	−216	+56 27 9.36	−18.374	− 33
395	9 H. Dracon.	4.9	10 27 17.937	+5.2019	− 96	+76 11 14.20	−18.433	− 5
396	[ρ Leonis]	3.8	10 27 58.085	+3.1618	− 5	+ 9 46 48.90	−18.457	− 5
397	[*p* Carinae]	3.5	10 28 45.097	+2.1278	− 17	−61 12 42.69	−18.473	+ 5
398	[37 Ursae maj.]	5.2	10 29 14.582	+3.8917	+ 83	+57 33 24.27	−18.459	+ 36
399	[44 Hydrae]	5.6	10 29 38.294	+2.8515	− 2	−23 16 15.20	−18.487	+ 21
400	[*p* Velorum]	4.0	10 33 25.901	+2.5117	−182	−47 44 51.45	−18.667	− 34
401	[γ Chamael.]	4.2	10 34 23.303	+0.7406	−116	−78 7 49.71	−18.633	+ 30
402	[*x* Velorum]	4.4	10 35 38.419	+2.3751	− 75	−55 7 26.52	−18.725	− 21
403	[35 H. Urs. maj.]	5.1	10 36 29.582	+4.3483	− 19	+69 33 27.49	−18.748	− 18
404	33 Sextantis	6.6	10 36 43.403	+3.0527	− 94	− 1 15 28.03	−18.863	−125
405	[41 Leon. min.]	5.2	10 38 24.972	+3.2685	− 81	+23 40 13.06	−18.778	+ 12
406	ϑ Argus	2.8	10 39 40.359	+2.1327	− 26	−63 54 44.07	−18.823	+ 5
407	42 Leon. min.	5.3	10 40 45.143	+3.3449	− 15	+31 10 1.56	−18.897	− 37
408	μ Argus	2.7	10 42 48.555	+2.5706	+ 50	−48 56 2.29	−18.985	− 65
409	*l* Leonis	5.4	10 44 25.359	+3.1566	− 3	+11 1 55.84	−18.997	− 30
411	[δ² Chamael.]	4.7	10 44 55.873	+0.6083	−119	−80 3 17.45	−18.972	+ 9
410	[ν Hydrae]	3.2	10 45 5.095	+2.9583	+ 66	−15 42 43.45	−18.790	+195
412	[46 Leon. min.]	3.9	10 48 10.203	+3.3654	+ 76	+34 42 39.76	−19.352	−282
414	[ι Antliae]	4.9	10 52 25.708	+2.7901	+ 64	−36 38 34.97	−19.318	−136
413	[Br. 1508]	6.4	10 52 37.163	+4.9105	−260	+78 15 47.82	−19.213	− 17
415	*i* Velorum	4.5	10 55 55.866	+2.7455	+ 19	−41 43 56.33	−19.272	− 4
416	β Ursae maj.	2.3	10 56 17.789	+3.6447	+101	+56 52 32.66	−19.247	+ 26
417	α Ursae maj.	1.8	10 58 3.495	+3.7329	−175	+62 14 52.15	−19.390	− 72
418	χ Leonis	4.8	11 0 16.341	+3.0968	−231	+ 7 50 0.71	−19.416	− 46
419	[χ Hydrae]	4.8	11 0 53.841	+2.8851	−153	−26 47 48.93	−19.390	− 7
420	ψ Ursae maj.	3.0	11 4 29.737	+3.3873	− 57	+44 59 52.07	−19.496	− 36

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0".001
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421	β Crateris	4.3	11 7 7.907	+2.9470	0	−22 19 24.23	−19.613	− 98
422	δ Leonis	2.4	11 9 13.042	+3.1959	+107	+21 1 40.37	−19.692	−136
423	ϑ Leonis	3.3	11 9 24.823	+3.1518	− 51	+15 55 57.18	−19.642	− 72
424	[Gr. 1757]	6.1	11 11 31.040	+3.3969	− 97	+49 58 42.39	−19.621	− 23
425	ν Ursae maj.	3.4	11 13 30.752	+3.2497	− 5	+33 35 46.99	−19.613	+ 42
426	δ Crateris	3.6	11 14 44.403	+2.9970	− 88	−14 16 50.08	−19.457	+200
427	σ Leonis	4.1	11 16 23.594	+3.0952	− 66	+ 6 32 1.11	−19.697	− 5
428	π Centauri	4.1	11 16 48.472	+2.7240	− 41	−53 59 12.29	−19.704	− 13
429	Gr. 1771	6.2	11 17 23.800	+3.5970	− 10	+64 50 2.80	−19.666	+ 34
430	[ι Leonis]	4.0	11 19 7.747	+3.1293	+107	+11 2 9.82	−19.812	− 84
431	[γ Crateris]	4.0	11 20 17.071	+2.9941	− 71	−17 10 42.87	−19.741	+ 7
432	[58 Ursae maj.]	6.1	11 25 32.654	+3.2592	− 43	+43 40 41.94	−19.748	+ 72
433	λ Draconis	3.6	11 25 57.186	+3.6032	− 80	+69 50 20.09	−19.847	− 21
434	ξ Hydrae	3.6	11 28 28.471	+2.9441	−167	−31 20 54.63	−19.900	− 43
435	[C Centauri]	5.5	11 31 27.782	+2.8948	+ 12	−47 7 52.98	−19.938	− 47
436	λ Centauri	3.3	11 31 31.982	+2.7485	− 58	−62 30 39.35	−19.908	− 17
437	υ Leonis	4.4	11 32 14.293	+3.0715	+ 1	− 0 18 56.83	−19.864	+ 36
438	[π Chamael.]	6.1	11 33 27.748	+2.4524	−276	−75 23 13.73	−19.916	− 4
439	[o Hydrae]	4.8	11 35 38.484	+2.9729	− 30	−34 14 5.01	−19.932	+ 1
440	3 Draconis	5.4	11 37 20.966	+3.3791	− 78	+67 15 15.07	−19.909	+ 39
441	χ Ursae maj.	3.8	11 41 11.784	+3.1819	−134	+48 17 22.24	−19.965	+ 19
442	[λ Muscae]	3.7	11 41 15.572	+2.8096	−152	−66 13 7.28	−19.959	+ 20
443	[Centauri 65 G.]	4.2	11 42 3.540	+2.8839	− 25	−60 40 0.85	−20.020	− 35
444	β Leonis	2.1	11 44 22.079	+3.0627	−341	+15 5 10.96	−20.117	−118
445	β Virginis	3.5	11 45 54.183	+3.1252	+495	+ 2 16 59.43	−20.284	−276
446	[B Centauri]	4.8	11 46 32.449	+2.9839	−110	−44 39 41.97	−20.058	− 46
447	γ Ursae maj.	2.3	11 48 59.772	+3.1723	+108	+54 12 22.54	−20.020	+ 2
448	[ε Chamael.]	5.0	11 55 2.703	+2.9239	−159	−77 42 34.19	−20.050	− 8
449	[Centauri 88 G.]	5.5	11 58 53.412	+3.0933	+268	−41 55 8.11	−20.168	−122
450	o Virginis	4.1	12 0 31.389	+3.0571	−148	+ 9 14 38.01	−20.009	+ 38
451	[Gr. 1852]	6.0	12 0 35.178	+3.1012	+441	+77 25 12.78	−20.143	− 77
452	δ Centauri	2.7	12 3 35.162	+3.0933	− 43	−50 12 36.01	−20.063	− 18
453	ε Corvi	3.0	12 5 23.466	+3.0801	− 51	−22 6 29.17	−20.031	+ 11
454	4 H. Draconis	5.0	12 7 53.954	+2.8557	+ 23	+78 7 38.81	−20.011	+ 23
455	[δ Crucis]	3.0	12 10 15.270	+3.1640	− 49	−58 14 14.01	−20.053	− 26

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			h m s	s		° ' "	"	
456	δ Ursae maj.	3.4	12 10 52.654	+2.9866	+137	+57 32 37.40	−20.022	+ 2
457	[γ Corvi]	2.4	12 11 4.383	+3.0810	−112	−17 1 52.12	−20.006	+ 17
458	[2 Can. ven.]	5.9	12 11 31.129	+3.0163	+ 26	+41 10 19.97	−20.066	− 45
459	β Chamael.	4.4	12 12 55.952	+3.4390	−141	−78 48 5.09	−20.002	+ 12
460	η Virginis	3.7	12 15 11.919	+3.0685	− 42	− 0 9 20.12	−20.027	− 23
461	[6 Can. ven.]	5.3	12 21 19.140	+2.9633	− 67	+39 31 44.34	−19.995	− 36
462	α Crucis md.	1.0	12 21 28.750	+3.3094	− 43	−62 35 22.64	−19.990	− 32
463	[Hydr. 323 G.]	5.7	12 22 0.590	+3.1521	− 14	−32 19 12.67	−20.003	− 49
464	[σ Centauri]	4.1	12 23 3.606	+3.2274	− 35	−49 43 16.19	−19.977	− 31
466	20 Comae	6.0	12 25 6.015	+3.0177	+ 26	+21 24 19.69	−19.964	− 39
465	δ Corvi	2.8	12 25 6.142	+3.1000	−144	−16 0 11.92	−20.069	−142
467	[74 Ursae maj.]	5.6	12 25 39.724	+2.8151	− 97	+58 54 42.49	−19.843	+ 88
468	[γ Crucis]	1.6	12 26 3.399	+3.3050	+ 26	−56 35 53.35	−20.194	−277
469	[γ Muscae]	3.9	12 26 57.752	+3.5365	− 81	−71 37 29.63	−19.928	− 21
470	8 Can. ven.	4.3	12 29 22.574	+2.8566	−625	+41 51 26.18	−19.601	+285
471	β Corvi	2.6	12 29 33.108	+3.1445	− 4	−22 53 17.07	−19.940	− 59
472	κ Draconis	3.6	12 29 33.668	+2.5806	−118	+70 17 42.95	−19.873	+ 7
473	24 Comae seq.	5.1	12 30 30.961	+3.0120	+ 2	+18 53 0.39	−19.850	+ 18
474	α Muscae	2.8	12 31 41.347	+3.5378	− 55	−68 37 43.52	−19.886	− 31
475	[χ Virginis]	4.9	12 34 29.814	+3.0939	− 49	− 7 29 21.82	−19.857	− 37
476	γ Centauri	2.3	12 36 26.252	+3.2907	−206	−48 27 16.62	−19.813	− 19
477	[γ Virgin. m.]	3.5.3.5	12 36 59.870	+3.0384	−375	− 0 56 41.91	−19.781	+ 6
478	76 Ursae maj.	6.2	12 37 32.986	+2.6361	− 45	+63 13 5.05	−19.795	− 17
479	[Hydr. 330 G.]	5.9	12 39 6.143	+3.1897	− 25	−27 49 9.13	−19.802	− 50
480	[β Muscae]	3.2	12 40 37.777	+3.6391	− 52	−67 36 16.50	−19.763	− 31
481	β Crucis	1.4	12 42 20.324	+3.4782	− 60	−59 11 9.28	−19.732	− 27
482	n Centauri	4.4	12 48 24.201	+3.3091	+ 46	−39 40 43.42	−19.639	− 37
483	ε Ursae maj.	1.7	12 49 59.093	+2.6501	+136	+56 27 32.60	−19.584	− 11
484	δ Virginis	3.4	12 50 58.125	+3.0208	−315	+ 3 53 49.98	−19.614	− 62
485	12 Can. ven. sq.	2.8	12 51 43.566	+2.8119	−199	+38 48 54.25	−19.488	+ 50
486	8 Draconis	5.2	12 51 48.964	+2.3998	− 16	+65 56 14.84	−19.569	− 34
487	[δ Muscae]	3.6	12 55 55.721	+4.0656	+526	−71 3 10.10	−19.488	− 36
488	ε Virginis	2.8	12 57 35.835	+2.9866	−185	+11 27 12.49	−19.399	+ 18
489	[ξ² Centauri]	4.3	13 1 32.045	+3.4829	− 35	−49 24 49.32	−19.357	− 28
490	ϑ Virginis	4.3	13 5 11.116	+3.1031	− 24	− 5 2 52.95	−19.281	− 40

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491	[17 Can. ven.]	6.1	13h 5m 49s.844	+2s.7600	− 59	+38° 59′ 15″.48	−19″.193	+ 32
492	43 Comae	4.2	13 7 34.874	+2.8028	−603	+28 20 39.54	−18.300	+880
493	[η Muscae]	5.0	13 9 0.284	+4.0217	− 32	−67 24 26.04	−19.173	− 28
494	[20 Can. ven.]	4.6	13 13 25.143	+2.6951	−108	+41 3 24.12	−19.017	+ 9
495	γ Hydrae	3.1	13 13 55.061	+3.2546	+ 51	−22 41 11.08	−19.067	− 54
496	ι Centauri	2.9	13 15 25.253	+3.3595	−294	−36 13 38.05	−19.062	− 92
497	ζ Urs. maj. pr.	2.2	13 20 13.398	+2.4224	+144	+55 24 20.28	−18.856	− 26
498	α Virginis	1.1	13 20 20.665	+3.1537	− 28	−10 40 52.84	−18.861	− 33
499	Gr. 2001	6.2	13 23 47.232	+1.5259	+ 35	+72 52 8.70	−18.736	− 15
500	69 H. Urs. maj.	5.5	13 25 4.597	+2.2073	−110	+60 25 14.84	−18.644	+ 37
501	ζ Virginis	3.3	13 30 0.261	+3.0546	−190	− 0 7 32.88	−18.487	+ 35
502	17 H. Can. ven.	4.9	13 30 41.399	+2.6815	+ 64	+37 39 12.60	−18.512	− 4
503	[Chamael. 49 G.]	6.4	13 31 18.437	+5.0318	− 48	−75 12 53.27	−18.490	− 13
504	ε Centauri	2.4	13 34 3.115	+3.7762	− 38	−52 59 56.09	−18.416	− 34
505	[Gr. 2029]	5.9	13 34 58.314	+1.4358	− 86	+71 42 37.05	−18.349	0
506	[i Centauri]	4.3	13 40 27.354	+3.3979	−370	−32 34 43.41	−18.306	−155
507	τ Bootis	4.5	13 42 53.422	+2.8511	−341	+17 54 54.01	−18.030	+ 29
509	η Ursae maj.	1.8	13 43 55.020	+2.3685	−119	+49 46 19.89	−18.041	− 20
508	[μ Centauri]	3.3	13 44 4.171	+3.5977	− 28	−42 0 55.90	−18.033	− 18
510	89 Virginis	5.2	13 44 52.231	+3.2536	− 69	−17 40 34.06	−18.023	− 38
511	[i Draconis]	4.8	13 48 44.716	+1.7524	0	+65 10 39.38	−17.834	− 2
512	ζ Centauri	2.6	13 49 47.674	+3.7223	− 70	−46 50 8.74	−17.850	− 61
513	η Bootis	2.8	13 50 18.249	+2.8568	− 42	+18 51 30.99	−18.132	−364
514	[Cent. 294 G.]	4.9	13 50 58.926	+4.3015	− 46	−63 14 9.30	−17.775	− 33
515	[47 Hydrae]	5.5	13 53 21.244	+3.3584	− 34	−24 31 24.49	−17.685	− 41
516	τ Virginis	4.2	13 56 57.808	+3.0509	+ 13	+ 1 59 21.85	−17.522	− 30
517	11 Bootis	6.3	13 57 0.221	+2.7220	− 57	+27 49 50.36	−17.482	+ 8
518	β Centauri	1	13 57 19.384	+4.2004	− 28	−59 55 46.34	−17.515	− 39
519	[π Hydrae]	3.4	14 1 7.743	+3.4076	+ 30	−26 14 22.20	−17.463	−152
520	ϑ Centauri	2.1	14 1 15.830	+3.5174	−438	−35 55 3.67	−17.835	−530
521	α Draconis	3.4	14 1 53.864	+1.6227	− 83	+64 48 55.46	−17.260	+ 16
522	d Bootis	4.9	14 6 12.219	+2.7373	− 12	+25 31 37.86	−17.152	− 69
523	κ Virginis	4.2	14 7 59.174	+3.1958	+ 5	− 9 50 44.95	−16.867	+134
524	4 Ursae min.	5.0	14 9 11.563	−0.2925	−113	+77 58 47.39	−16.912	+ 32
525	ι Virginis	4.0	14 11 11.298	+3.1414	− 14	− 5 33 42.78	−17.283	−431

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526	α Bootis	1	14h 11m 27s.873	+2s.7348	− 782	+19° 39′ 39″.93	−18″.833	−1997
527	λ Bootis	4.0	14 12 53.225	+2.2828	− 177	+46 30 37.68	−16.617	+ 152
528	[ι Bootis]	4.6	14 12 54.505	+2.1263	− 159	+51 47 28.84	−16.682	+ 86
529	[υ Centauri]	4.4	14 13 53.458	+4.1590	− 46	−55 57 47.21	−16.761	− 39
530	[Circini 10 G.]	5.9	14 17 27.778	+4.9148	− 42	−67 46 38.63	−16.582	− 35
531	ϑ Bootis	3.9	14 22 3.909	+2.0427	− 257	+52 16 32.62	−16.719	− 404
532	[52 Hydrae]	5.1	14 22 46.889	+3.5033	− 28	−29 4 42.80	−16.311	− 30
533	[φ Virginis]	5.0	14 23 27.653	+3.0882	− 90	− 1 48 57.28	−16.251	− 7
534	ρ Bootis	3.7	14 27 51.917	+2.5863	− 75	+30 46 29.69	−15.903	+ 113
535	γ Bootis	2.9	14 28 22.431	+2.4171	− 93	+38 42 37.29	−15.844	+ 145
536	[Gr. 2125]	6.4	14 29 12.932	+1.6249	− 58	+60 37 50.94	−15.926	+ 19
537	η Centauri	2.5	14 29 39.633	+3.7937	− 36	−41 45 14.76	−15.958	− 36
538	α Centauri[1])	1	14 33 20.579	+4.0491	−4861	−60 27 33.67	−16.470	− 746
539	[α Circini]	3.3	14 35 3.609	+4.8008	− 319	−64 34 29.71	−15.869	− 238
540	[33 Bootis]	5.5	14 35 24.810	+2.2331	− 68	+44 48 4.84	−15.637	− 26
541	[α Lupi]	2.4	14 35 48.341	+3.9712	− 19	−46 59 37.50	−15.625	− 36
542	α Apodis	3.8	14 36 23.500	+7.2675	− 57	−78 39 17.96	−15.595	− 34
543	ζ Bootis m.	3.6	14 36 45.304	+2.8636	+ 37	+14 7 21.14	−15.564	− 27
544	[c¹ Centauri]	4.1	14 38 1.574	+3.6567	− 61	−34 46 40.65	−15.667	− 197
545	μ Virginis	3.9	14 38 12.605	+3.1575	+ 68	− 5 15 31.17	−15.784	− 327
546	[b Lupi]	5.9	14 40 34.822	+4.1726	− 24	−51 59 40.45	−15.415	− 92
547	109 Virginis	3.7	14 41 35.797	+3.0305	− 75	+ 2 16 48.44	−15.304	− 39
548	α Librae	2.7	14 45 47.189	+3.3127	− 77	−15 39 35.64	−15.100	− 73
549	Gr. 2164	5.8	14 49 6.200	+1.5190	− 170	+59 40 3.30	−14.701	+ 130
550	β Ursae min.	2.0	14 50 57.840	−0.2130	− 79	+74 31 53.43	−14.715	+ 7
551	P. XIV, 221	6.0	14 51 52.652	+2.8304	− 10	+14 49 3.54	−14.686	− 18
552	β Lupi	2.7	14 52 30.038	+3.9122	− 52	−42 45 49.79	−14.690	− 59
553	[κ Centauri]	3.2	14 53 10.299	+3.8879	− 20	−41 44 7.60	−14.624	− 33
554	[2 H. Urs. min.]	4.8	14 56 6.993	+0.9417	− 148	+66 17 55.69	−14.378	+ 34
555	β Bootis	3.3	14 58 28.826	+2.2598	− 36	+40 45 10.94	−14.310	− 43
556	γ Scorpii	3.4	14 58 40.940	+3.5033	− 57	−24 55 15.23	−14.312	− 55
557	ψ Bootis	4.5	15 0 30.199	+2.5704	− 131	+27 18 21.47	−14.157	− 15
558	ζ Lupi	3.4	15 5 40.141	+4.2871	− 134	−51 44 58.40	−13.892	− 72
559	[ι Librae]	4.6	15 6 58.470	+3.4128	− 32	−19 26 38.56	−13.785	− 47
561	[β Circini]	4.2	15 10 18.224	+4.6667	− 129	−58 27 29.22	−13.672	− 149

[1]) Schwerpunkt des Systems. Abstände vom Schwerpunkt (Astr. Nachr. 3432):

heller Stern	1908.0:	$\Delta\alpha = +0^s.731$	$\Delta\delta = +8''.24$
	1909.0:	$+0\ .729$	$+8\ .06$
Begleiter	1908.0:	$\Delta\alpha = -0^s.812$	$\Delta\delta = -9''.15$
	1909.0:	$-0\ .810$	$-8\ .96$

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0ˢ.0001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
560	γ Triang. austr.	2.9	15ʰ 10ᵐ 18ˢ.514	+5ˢ.5464	−102	−68° 20′ 25″.08	−13″.559	− 36
562	[3 Serpentis]	5.5	15 10 36.910	+2.9799	− 12	+ 5 16 49.53	−13.509	− 7
563	δ Bootis	3.2	15 11 47.621	+2.4189	+ 73	+33 39 27.48	−13.550	− 122
564	β Librae	2.5	15 12 3.272	+3.2241	− 64	− 9 2 38.14	−13.437	− 27
565	1 H. Urs. min.	5.3	15 13 34.723	+0.6745	+385	+67 41 45.38	−13.709	− 396
566	φ^1 Lupi	3.5	15 15 57.861	+3.7949	− 83	−35 55 41.18	−13.248	− 94
569	γ Ursae min.	3.0	15 20 52.033	−0.1221	− 32	+72 9 40.90	−12.811	+ 16
568	μ Bootis	4.1	15 21 0.877	+2.2661	−123	+37 41 57.98	−12.735	+ 81
567	[κ^1 Apodis]	5.9	15 21 28.166	+6.4545	+ 6	−73 4 16.04	−12.824	− 37
570	[τ^1 Serpentis]	5.5	15 21 31.340	+2.7810	− 11	+15 45 3.77	−12.807	− 24
571	ι Draconis	3.2	15 22 52.898	+1.3306	− 5	+59 17 17.23	−12.677	+ 14
572	β Coron. bor.	3.7	15 24 2.143	+2.4734	−131	+29 25 20.71	−12.537	+ 77
573	ν^1 Bootis	4.8	15 27 37.467	+2.1545	+ 11	+41 8 46.68	−12.381	− 13
574	[ε Triang. austr.]	4.3	15 28 17.370	+5.4439	+ 29	−66 0 29.81	−12.403	− 81
575	γ Lupi	2.9	15 29 0.315	+3.9838	− 28	−40 51 28.84	−12.312	− 40
576	[ϑ Coron. bor.]	4.1	15 29 13.167	+2.4183	− 17	+31 40 9.02	−12.284	− 26
577	γ Librae	4.1	15 30 22.669	+3.3511	+ 43	−14 28 59.36	−12.175	+ 3
578	α Coron. bor.	2.2	15 30 47.538	+2.5395	+ 92	+27 1 25.91	−12.248	− 99
579	[3 H. Scorpii]	3.9	15 31 26.157	+3.6338	− 11	−27 49 51.17	−12.114	− 10
580	[φ Bootis]	5.3	15 34 31.354	+2.1543	+ 58	+40 39 9.28	−11.836	+ 52
581	[γ Coron. bor.]	3.8	15 38 52.748	+2.5191	− 74	+26 35 11.78	−11.544	+ 34
582	α Serpentis	2.5	15 39 44.128	+2.9528	+ 92	+ 6 42 52.47	−11.477	+ 42
583	β Serpentis	3.4	15 41 56.467	+2.7678	+ 50	+15 42 33.24	−11.414	− 55
584	κ Serpentis	4.0	15 44 35.887	+2.6995	− 32	+18 25 30.66	−11.265	− 98
585	μ Serpentis	3.3	15 44 49.052	+3.1276	− 58	− 3 8 57.12	−11.182	− 31
586	[χ Lupi]	4.1	15 45 6.543	+3.8024	− 15	−33 20 50.51	−11.159	− 30
587	[12 H. Dracon.]	5.3	15 45 15.681	+0.9064	+ 55	+62 53 1.35	−11.179	− 62
588	ε Serpentis	3.5	15 46 13.737	+2.9881	+ 84	+ 4 45 14.86	−10.990	+ 59
589	β Triang. austr.	2.9	15 47 1.709	+5.2534	−277	−63 8 50.42	−11.395	− 406
590	ζ Ursae min.	4.3	15 47 19.466	−2.2197	+ 60	+78 4 40.31	−10.969	− 1
591	[γ Serpentis]	3.7	15 52 12.161	+2.7687	+209	+15 57 40.82	−11.904	−1296
592	[π Scorpii]	4.1	15 53 16.997	+3.6220	− 14	−25 50 59.54	−10.565	− 37
593	ε Coron. bor.	4.0	15 53 46.681	+2.4824	− 62	+27 8 37.74	−10.558	− 68
594	δ Scorpii	2.3	15 54 53.468	+3.5415	− 8	−22 21 37.71	−10.444	− 36
595	[Gr. 2296]	5.1	15 55 36.357	+1.4189	−187	+55 0 33.95	−10.242	+ 111

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0ˢ.0001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0".001
			h m s	s		° ′ ″	″	
596	[δ Normae]	4.8	15 59 59.081	+4.2262	— 4	—44 55 27.37	—10.018	+ 6
597	β Scorpii	2.6	16 0 5.113	+3.4829	— 8	—19 33 15.22	—10.046	— 27
598	ϑ Draconis	3.8	16 0 9.838	+1.1202	—401	+58 48 38.76	— 9.667	+341
599	[ϑ Lupi]	4.4	16 0 32.821	+3.9278	— 38	—36 33 8.53	—10.022	— 40
601	[φ Herculis]	4.0	16 5 52.231	+1.8889	— 23	+45 10 32.59	— 9.543	+ 31
600	[κ Normae]	5.3	16 6 12.950	+4.7092	— 37	—54 23 35.76	— 9.613	— 65
602	[δ Triang. austr.]	4.0	16 7 3.411	+5.4296	+ 8	—63 27 4.55	— 9.509	— 25
603	δ Ophiuchi	2.8	16 9 31.384	+3.1409	— 31	— 3 27 28.84	— 9.442	—149
604	γ² Normae	4.2	16 12 57.051	+4.4720	—191	—49 55 49.47	— 9.088	— 61
606	19 Ursae min.	5.8	16 13 26.092	—1.7582	— 4	+76 6 34.20	— 8.976	+ 12
605	ε Ophiuchi	3.2	16 13 27.124	+3.1712	+ 53	— 4 28 7.77	— 8.957	+ 31
607	[σ Scorpii]	3.1	16 15 35.639	+3.6405	— 11	—25 22 21.53	— 8.853	— 33
608	τ Herculis	3.6	16 16 58.487	+1.8018	— 9	+46 31 55.58	— 8.678	+ 32
609	γ Herculis	3.5	16 17 51.658	+2.6450	— 36	+19 22 7.30	— 8.601	+ 40
610	[ζ Triang. austr.]	5.2	16 18 33.600	+6.4051	+367	—69 52 40.19	— 8.504	+ 83
611	γ Apodis	3.9	16 19 18.806	+9.0823	—385	—78 41 30.03	— 8.597	— 70
612	[η Ursae min.]	5.1	16 20 10.910	—1.7961	—214	+75 58 3.59	— 8.199	+257
613	[ω Herculis]	4.7	16 21 10.160	+2.7670	+ 28	+14 14 40.17	— 8.448	— 69
614	[Gr. 2343]	5.8	16 22 24.551	+1.3092	+ 20	+55 24 50.56	— 8.262	+ 18
615	η Draconis	2.7	16 22 44.558	+0.8059	— 28	+61 43 20.33	— 8.191	+ 62
616	α Scorpii	1.2	16 23 45.851	+3.6730	— 7	—26 13 42.40	— 8.202	— 28
618	β Herculis	2.6	16 26 15.862	+2.5777	— 70	+21 41 22.47	— 7.992	— 20
617	[λ Ophiuchi]	3.7	16 26 16.335	+3.0234	— 23	+ 2 11 4.80	— 8.059	— 90
619	A Draconis	5.0	16 28 9.487	—0.1327	— 51	+68 58 1.97	— 7.785	+ 35
620	[τ Scorpii]	2.9	16 30 9.168	+3.7288	— 10	—28 1 32.71	— 7.692	— 33
621	σ Herculis	4.1	16 31 8.208	+1.9332	— 6	+42 37 35.04	— 7.540	+ 39
622	ζ Ophiuchi	2.6	16 32 5.494	+3.3004	+ 9	—10 22 52.77	— 7.479	+ 22
623	[Gr. 2373]	6.5	16 34 35.202	—2.6341	—312	+77 37 48.17	— 7.023	+276
624	[24 Scorpii]	5.2	16 36 15.022	+3.4657	— 18	—17 33 52.76	— 7.166	— 1
625	α Triang. austr.	1.9	16 38 54.857	+6.3178	+ 32	—68 51 34.87	— 6.993	— 48
626	η Herculis	3.3	16 39 44.498	+2.0558	+ 35	+39 5 48.68	— 6.962	— 84
627	Gr. 2377	4.9	16 43 33.044	+1.1350	+ 29	+56 56 45.54	— 6.506	+ 58
628	ε Scorpii	2.3	16 44 12.099	+3.8790	—502	—34 7 36.32	— 6.762	—252
629	49 Herculis	6.5	16 47 53.506	+2.7301	+ 12	+15 7 40.99	— 6.210	— 7
630	ζ² Scorpii	3.8	16 48 6.350	+4.2119	—134	—42 12 15.56	— 6.423	—237

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von $0^s.0001$	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von $0''.001$
631	ζ Arae	3.0	16^h 51^m $0^s.172$	$+4^s.9507$	— 30	$-55°$ $50'$ $43''.85$	$-5''.992$	— 47
632	[ε¹ Arae]	4.0	16 52 14.800	+4.7682	— 19	—53 1 11.10	—5.860	— 7
633	κ Ophiuchi	3.2	16 53 18.774	+2.8379	—199	+ 9 31 3.05	—5.762	— 12
634	ε Herculis	3.6	16 56 46.156	+2.2945	— 35	+31 3 41.13	—5.436	+ 24
635	[60 Herculis]	4.9	17 1 6.683	+2.7806	+ 34	+12 51 59.79	—5.109	— 15
636	[Gr. 2415]	6.4	17 4 46.646	+1.9557	— 29	+40 38 9.30	—4.811	— 29
637	η Ophiuchi	2.4	17 5 6.038	+3.4377	+ 24	—15 36 41.73	—4.666	+ 90
638	[η Scorpii]	3.4	17 5 33.698	+4.2904	+ 16	—43 7 6.69	—5.021	—298
639	ζ Draconis	3.0	17 8 31.098	+0.1670	— 28	+65 49 40.40	—4.444	+ 22
640	α Herculis	(3.0)	17 10 27.116	+2.7342	— 8	+14 29 40.75	—4.271	+ 29
641	δ Herculis	3.0	17 11 15.139	+2.4632	— 15	+24 56 49.99	—4.389	—158
642	[ι Apodis]	5.7	17 11 49.804	+6.6700	— 13	—70 1 38.35	—4.209	— 26
643	π Herculis	3.1	17 11 50.541	+2.0886	— 21	+36 54 44.70	—4.179	+ 2
644	ϑ Ophiuchi	3.2	17 16 21.479	+3.6812	— 7	—24 54 29.85	—3.819	— 25
645	β Arae	2.7	17 17 38.972	+4.9784	— 15	—55 26 37.09	—3.725	— 42
646	[*d* Ophiuchi]	4.5	17 21 28.677	+3.8271	+ 6	—29 47 3.60	—3.499	—145
647	[27 H. Ophiuchi]	4.5	17 21 44.958	+3.1821	— 58	— 5 0 21.07	—3.381	— 51
648	δ Arae	3.6	17 22 47.483	+5.4068	— 72	—60 36 27.87	—3.342	—101
650	[*x* Herculis]	6.0	17 24 17.903	+1.5889	+ 2	+48 20 12.52	—3.131	— 19
649	[υ Scorpii]	2.8	17 24 30.356	+4.0732	— 23	—37 13 22.88	—3.131	— 39
651	α Arae	2.8	17 24 43.668	+4.6315	— 39	—49 48 14.08	—3.167	— 94
652	λ Scorpii	1.7	17 27 21.568	+4.0693	— 14	—37 2 14.21	—2.878	— 32
653	β Draconis	2.7	17 28 21.209	+1.3540	— 15	+52 22 9.09	—2.749	+ 10
655	[ν¹ Draconis]	4.7	17 30 21.847	+1.1801	+177	+55 14 48.59	—2.536	+ 50
657	[ν² Draconis]	4.8	17 30 27.246	+1.1813	+182	+55 14 7.20	—2.528	+ 51
656	α Ophiuchi	2.1	17 30 39.796	+2.7834	+ 79	+12 37 35.17	—2.792	—234
654	ϑ Scorpii	1.9	17 30 42.367	+4.3060	0	—42 56 23.83	—2.573	— 18
658	ξ Serpentis	3.5	17 32 19.066	+3.4330	— 34	—15 20 28.42	—2.478	— 64
659	[*f* Draconis]	5.2	17 32 19.825	—0.2461	— 31	+68 11 37.23	—2.280	+134
660	[κ Scorpii]	2.5	17 36 7.302	+4.1468	— 13	—38 58 58.92	—2.112	— 27
661	η Pavonis	3.5	17 36 42.024	+5.8802	— 23	—64 40 49.68	—2.089	— 55
662	[μ Arae]	5.6	17 36 50.288	+4.7583	— 29	—51 47 8.50	—2.230	—207
663	ι Herculis	3.6	17 36 52.042	+1.6925	— 5	+46 3 17.44	—2.023	— 4
664	ω Draconis	4.9	17 37 29.311	—0.3540	+ 14	+68 48 1.96	—1.644	+323
665	β Ophiuchi	2.8	17 38 55.636	+2.9626	— 27	+ 4 36 18.45	—1.688	+153

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0".001
			h m s	s		° ′ ″	″	
666	[ι¹ Scorpii]	3.0	17 41 8.906	+4.1927	— 10	—40 5 30.80	—1.649	— 2
667	μ Herculis	3.3	17 42 51.420	+2.3460	— 244	+27 46 26.50	—2.245	—749
668	[γ Ophiuchi]	3.7	17 43 16.755	+3.0071	— 16	+ 2 44 28.72	—1.537	— 77
670	ψ Drac. austr.	4.7	17 43 34.323	—1.0757	+ 27	+72 11 39.07	—1.703	—267
669	[G Scorpii]	3.1	17 43 35.697	+4.0816	+ 42	—37 0 52.39	—1.408	+ 26
671	ξ Draconis	3.6	17 51 56.271	+1.0368	+ 120	+56 53 12.67	—0.630	+ 76
672	ϑ Herculis	3.8	17 53 5.857	+2.0566	+ 4	+37 15 44.18	—0.599	+ 5
675	35 Draconis	5.1	17 53 33.995	—2.6886	+ 119	+76 58 31.68	—0.322	+241
673	ν Ophiuchi	3.4	17 53 57.677	+3.3016	— 7	— 9 45 46.23	—0.645	—118
674	[ξ Herculis]	3.7	17 54 11.374	+2.3308	+ 66	+29 15 26.08	—0.535	— 26
676	γ Draconis	2.3	17 54 28.174	+1.3921	— 9	+51 29 57.78	—0.506	— 22
677	67 Ophiuchi	4.0	17 56 2.225	+3.0039	0	+ 2 56 7.58	—0.359	— 13
678	[Apodis 66 G.]	6.0	17 58 23.299	+8.3845	— 62	—75 53 40.52	—0.410	—269
679	γ Sagittarii	3.0	17 59 53.837	+3.8525	— 48	—30 25 32.93	—0.202	—193
680	72 Ophiuchi	3.6	18 2 59.266	+2.8436	— 41	+ 9 33 0.78	+0.341	+ 79
681	ο Herculis	3.8	18 3 57.211	+2.3396	+ 2	+28 44 57.54	+0.345	0
682	μ Sagittarii	3.9	18 8 15.672	+3.5872	— 2	—21 5 0.73	+0.719	— 3
683	[η Sagittarii]	3.1	18 11 24.081	+4.0589	— 117	—36 47 23.51	+0.834	—163
684	[Gr. 2533]	5.6	18 12 47.057	+1.8650	— 6	+42 7 39.07	+1.110	— 7
685	[36 Draconis]	5.0	18 13 22.024	+0.3455	+ 533	+64 21 57.49	+1.191	+ 29
686	[ξ Pavonis]	4.2	18 14 44.870	+5.5299	— 25	—61 32 10.38	+1.306	+ 17
687	[δ Sagittarii]	2.7	18 15 6.251	+3.8410	+ 28	—29 52 3.95	+1.291	— 29
688	η Serpentis	3.2	18 16 32.946	+3.1030	— 374	— 2 55 23.80	+0.752	—696
689	ε Sagittarii	1.9	18 18 3.923	+3.9826	— 31	—34 25 43.08	+1.452	—126
690	109 Herculis	3.9	18 19 46.638	+2.5557	+ 139	+21 43 38.34	+1.469	—258
691	α Telescopii	3.7	18 20 9.109	+4.4498	— 22	—46 1 10.71	+1.712	— 48
693	[φ Draconis]	4.3	18 22 4.663	—0.8563	— 17	+71 17 20.32	+1.961	+ 33
692	[λ Sagittarii]	2.8	18 22 17.569	+3.7024	— 37	—25 28 23.23	+1.759	—188
694	b Draconis	5.1	18 22 34.036	+0.8767	— 45	+58 44 49.86	+2.029	+ 59
695	χ Draconis	3.6	18 22 42.969	—1.0799	+1164	+72 41 35.10	+1.612	—366
696	[2 H. Scuti]	4.8	18 23 57.231	+3.4191	— 2	—14 37 29.92	+2.094	+ 2
697	[ϑ Coron. austr.]	4.7	18 26 55.984	+4.2849	+ 15	—42 22 45.70	+2.327	— 24
698	ζ Pavonis	4.0	18 32 17.372	+7.0261	— 28	—71 30 28.72	+2.636	—178
699	α Lyrae	1	18 33 49.404	+2.0313	+ 176	+38 41 51.30	+3.226	+281
700	[Gr. 2655]	6.1	18 34 11.893	—2.8777	— 10	+77 28 32.67	+2.977	— 3

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0ˢ.0001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
			h m s	s		° ′ ″	″	
701	[Gr. 2640]	6.2	18 35 55.971	+0.1905	+ 19	+65 24 22.57	+3.214	+ 84
702	[5 H. Scuti]	5.1	18 38 30.639	+3.2676	+ 13	− 8 21 59.88	+3.361	+ 9
703	110 Herculis	4.1	18 41 42.128	+2.5808	− 13	+20 27 27.89	+3.287	−340
704	λ Pavonis	4.3	18 43 41.678	+5.5687	− 26	−62 17 37.36	+3.772	− 27
705	β Lyrae	(3.3)	18 46 40.990	+2.2146	+ 3	+33 15 19.62	+4.053	− 2
706	σ Sagittarii	2.1	18 49 33.665	+3.7212	+ 4	−26 24 41.80	+4.239	− 63
707	o Draconis	4.6	18 49 50.676	+0.8874	+105	+59 16 32.40	+4.348	+ 24
708	λ Telescopii	5.1	18 51 6.257	+4.8062	+ 3	−53 3 34.34	+4.447	+ 14
709	ϑ Serpent. pr.	4.5	18 51 38.760	+2.9824	+ 29	+ 4 4 59.81	+4.507	+ 28
710	[ξ Sagittarii]	3.6	18 52 14.517	+3.5799	+ 18	−21 13 41.41	+4.514	− 16
711	*R* Lyrae	(4.5)	18 52 32.151	+1.8262	+ 31	+43 49 28.11	+4.630	+ 76
712	[ε Aquilae]	4.0	18 55 26.798	+2.7219	− 42	+14 56 34.11	+4.723	− 80
713	γ Lyrae	3.2	18 55 30.112	+2.2437	− 4	+32 33 46.44	+4.805	− 2
714	[υ Draconis]	5.0	18 55 31.675	−0.7225	+104	+71 10 27.62	+4.849	+ 40
715	[ζ Sagittarii]	2.7	18 56 45.529	+3.8189	− 20	−30 0 43.71	+4.916	+ 2
716	ζ Aquilae	3.0	19 1 10.887	+2.7568	− 7	+13 43 34.11	+5.187	−101
717	λ Aquilae	3.2	19 1 22.010	+3.1841	− 16	− 5 1 15.79	+5.217	− 86
718	α Coron. austr.	4.1	19 3 12.835	+4.0848	+ 59	−38 2 54.15	+5.350	−110
719	[ι Lyrae]	5.2	19 4 1.121	+2.1404	+ 2	+35 57 19.71	+5.523	− 3
720	π Sagittarii	2.9	19 4 17.590	+3.5693	− 5	−21 10 13.64	+5.515	− 35
721	[Pavonis 60 G.]	5.7	19 7 57.306	+6.0567	− 6	−66 49 13.86	+5.836	− 21
722	[*d* Sagittarii]	5.2	19 12 15.179	+3.5117	− 11	−19 7 1.74	+6.207	− 9
723	δ Draconis	3.0	19 12 32.186	+0.0233	+172	+67 29 58.83	+6.325	+ 88
724	ϑ Lyrae	4.3	19 13 10.469	+2.0815	− 7	+37 58 9.96	+6.292	− 1
725	ω Aquilae	5.4	19 13 29.889	+2.8159	− 3	+11 25 44.29	+6.333	+ 13
726	κ Cygni	3.8	19 14 58.631	+1.3880	+ 69	+53 11 54.19	+6.561	+119
727	[υ Sagittarii]	4.5	19 16 27.553	+3.4377	+ 1	−16 7 41.50	+6.561	− 3
729	τ Draconis	4.5	19 17 19.653	−1.1324	−323	+73 11 5.75	+6.746	+110
728	α Sagittarii	4.0	19 17 30.802	+4.1620	+ 17	−40 47 22.39	+6.534	−118
730	δ Aquilae	3.3	19 20 51.595	+3.0250	+168	+ 2 55 50.83	+7.007	+ 80
731	[Sagittar. 186 G.]	5.8	19 21 7.701	+3.7947	+ 7	−29 55 32.49	+6.902	− 48
732	β Cygni	3.0	19 27 0.652	+2.4187	− 2	+27 45 57.51	+7.422	− 8
734	[Gr. 2900]	6.4	19 27 16.607	−3.5597	+ 95	+79 25 8.38	+7.414	− 35
733	ι Cygni	3.9	19 27 23.210	+1.5135	+ 24	+51 32 0.25	+7.584	+121
735	[ι Telescopii]	5.1	19 28 23.554	+4.4580	− 41	−48 17 52.89	+7.501	− 40

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			h m s	s		° ′ ″	″	
736	*h* Sagittarii	4.6	19 31 6.592	+3.6540	+ 26	−25 5 13.94	+ 7.739	− 22
737	[κ Aquilae]	5.0	19 31 56.571	+3.2291	+ 4	− 7 13 57.10	+ 7.828	0
738	ϑ Cygni	4.5	19 33 58.463	+1.6089	− 28	+50 0 27.53	+ 8.238	+ 247
739	[ν Telescopii]	5.5	19 40 30.629	+4.9149	+ 88	−56 35 3.19	+ 8.376	− 138
740	[15 Cygni]	5.2	19 40 57.509	+2.1632	+ 59	+37 7 54.13	+ 8.583	+ 36
741	γ Aquilae	2.7	19 41 53.154	+2.8522	+ 9	+10 23 18.86	+ 8.621	0
742	δ Cygni	2.8	19 42 5.986	+1.8756	+ 51	+44 54 20.88	+ 8.676	+ 39
743	δ Sagittae	3.8	19 43 17.130	+2.6749	+ 4	+18 18 24.50	+ 8.745	+ 13
744	[51 Aquilae]	5.8	19 45 43.142	+3.3030	− 20	−10 59 50.60	+ 8.964	− 42
745	α Aquilae	1	19 46 17.677	+2.9273	+ 361	+ 8 37 29.41	+ 9.347	+ 381
746	[η Aquilae]	(4.0)	19 47 47.212	+3.0571	+ 6	+ 0 46 8.32	+ 9.075	− 9
747	ε Draconis	3.8	19 48 29.354	−0.1859	+ 156	+70 2 0.93	+ 9.167	+ 30
748	ε Pavonis	3.8	19 49 57.862	+7.0022	+ 143	−73 9 14.60	+ 9.121	− 132
749	β Aquilae	3.7	19 50 47.652	+2.9467	+ 24	+ 6 10 35.30	+ 8.838	− 485
750	ψ Cygni	5.0	19 53 15.094	+1.5517	− 43	+52 11 39.78	+ 9.478	− 31
751	ϑ¹ Sagittarii	4.3	19 53 44.984	+3.9103	− 12	−35 31 32.10	+ 9.511	− 35
752	γ Sagittae	3.6	19 54 39.932	+2.6675	+ 43	+19 14 30.40	+ 9.640	+ 24
753	[c Sagittarii]	4.6	19 57 0.163	+3.6936	+ 21	−27 57 58.06	+ 9.812	+ 17
754	δ Pavonis	3.5	19 59 42.502	+5.9213	+1955	−66 25 2.23	+ 8.833	−1168
755	[ξ Telescopii]	5.2	20 0 20.385	+4.6108	− 43	−53 8 41.00	+10.047	− 1
756	ϑ Aquilae	3.1	20 6 33.510	+3.0963	+ 22	− 1 5 41.51	+10.522	+ 5
757	o¹ Cygni sq.	4.3	20 10 44.078	+1.8891	+ 4	+46 27 42.87	+10.827	+ 1
758	[33 Cygni]	4.3	20 11 15.589	+1.3968	+ 74	+56 17 9.67	+10.947	+ 85
759	κ Cephei	4.3	20 12 0.120	−1.9547	+ 13	+77 26 4.84	+10.944	+ 27
760	24 Vulpecul.	5.7	20 12 50.882	+2.5668	+ 12	+24 23 14.04	+10.961	− 19
761	α² Capricorni	3.6	20 12 57.077	+3.3311	+ 41	−12 49 49.65	+10.998	+ 11
762	[β Capricorni]	3.1	20 15 50.606	+3.3732	+ 23	−15 4 20.61	+11.205	+ 6
763	[κ¹ Sagittarii]	5.8	20 16 12.910	+4.0851	+ 38	−42 20 24.12	+11.129	− 96
764	α Pavonis	1.9	20 18 22.500	+4.7696	+ 10	−57 1 49.15	+11.297	− 85
765	γ Cygni	2.3	20 18 55.568	+2.1525	+ 4	+39 57 42.51	+11.420	0
766	[ρ Capricorni]	5.0	20 23 36.865	+3.4253	− 14	−18 7 5.74	+11.739	− 16
767	ϑ Cephei	4.1	20 28 2.379	+1.0124	+ 61	+62 41 4.81	+12.052	− 14
768	ε Delphini	3.9	20 28 49.067	+2.8663	+ 5	+10 59 24.34	+12.097	− 25
769	α Indi	3.0	20 31 5.952	+4.2332	+ 33	−47 36 45.97	+12.338	+ 59
770	73 Draconis	5.3	20 32 43.891	−0.7500	+ 15	+74 38 21.94	+12.380	− 11

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771	β Delphini	3.5	20h 33m 14s.093	+2s.8130	+ 74	+14° 16′ 28″.66	+12″.391	− 36
772	[κ Delphini]	5.1	20 34 39.665	+2.9141	+ 212	+ 9 45 42.08	+12.540	+ 17
773	υ Capricorni	5.5	20 34 48.852	+3.4189	− 17	−18 27 47.00	+12.519	− 16
774	α Delphini	3.7	20 35 21.897	+2.7866	+ 45	+15 35 13.28	+12.567	− 6
775	β Pavonis	3.3	20 36 40.692	+5.4521	− 72	−66 32 3.64	+12.664	+ 2
776	[η Indi]	4.8	20 37 17.249	+4.4234	+ 158	−52 15 0.45	+12.629	− 73
777	α Cygni	1.3	20 38 17.714	+2.0445	+ 4	+44 57 4.33	+12.770	− 1
778	[δ Delphini]	4.2	20 39 9.831	+2.8007	− 14	+14 44 38.61	+12.783	− 47
779	[ψ Capricorni]	4.2	20 40 39.027	+3.5574	− 44	−25 36 7.27	+12.773	− 156
780	ε Cygni	2.4	20 42 29.304	+2.4269	+ 290	+33 37 30.87	+13.377	+ 327
781	ε Aquarii	3.6	20 42 41.807	+3.2500	+ 18	− 9 49 58.72	+13.037	− 28
782	[6 H. Cephei]	4.5	20 43 4.132	+1.4900	− 87	+57 14 57.49	+12.856	− 234
783	η Cephei	3.5	20 43 25.220	+1.2268	+ 134	+61 28 52.32	+13.930	+ 818
784	λ Cygni	4.6	20 43 49.468	+2.3355	+ 5	+36 9 8.15	+13.140	0
785	β Indi	3.6	20 47 37.505	+4.7149	0	−58 48 6.00	+13.361	− 28
786	32 Vulpeculae	5.3	20 50 38.319	+2.5559	− 4	+27 42 26.34	+13.586	+ 2
787	[α Octantis]	5.5	20 53 35.843	+7.4054	− 23	−77 22 30.74	+13.418	− 355
788	ν Cygni	3.9	20 53 44.567	+2.2353	+ 9	+40 48 45.12	+13.765	− 18
789	[11 Aquarii]	6.4	20 55 43.213	+3.1605	+ 24	− 5 5 9.91	+13.775	− 133
790	ζ Microscopii	5.4	20 57 5.387	+3.8436	− 36	−38 59 28.17	+13.873	− 121
792	[ξ Cygni]	3.9	21 1 35.046	+2.1812	+ 12	+43 33 37.46	+14.270	− 3
791	[A Capricorni]	4.6	21 1 44.905	+3.5143	− 29	−25 22 26.61	+14.237	− 46
793	61 Cygni pr.	5.4	21 2 46.345	+2.6858	+3502	+38 17 47.44	+17.574	+3252
794	ν Aquarii	4.4	21 4 35.050	+3.2712	+ 62	−11 44 40.56	+14.446	− 10
795	Br. 2777	6.0	21 7 21.277	−1.1318	+ 74	+77 45 12.35	+14.657	+ 36
797	ζ Cygni	3.1	21 9 1.206	+2.5518	− 1	+29 50 57.01	+14.664	− 58
796	[Indi 23 G.]	5.9	21 9 11.789	+4.3019	− 18	−53 38 39.93	+14.686	− 46
798	[Gr. 3415]	5.8	21 9 27.737	+1.5286	− 6	+59 36 28.71	+14.746	− 2
799	[τ Cygni]	3.8	21 11 7.079	+2.3934	+ 137	+37 39 8.40	+15.280	+ 435
800	α Equulei	3.9	21 11 13.521	+2.9998	+ 38	+ 4 52 1.37	+14.765	− 88
801	[4 Pisc. austr.]	4.8	21 12 21.709	+3.6459	+ 35	−32 33 26.54	+14.892	− 27
802	[θ¹ Microscop.]	4.9	21 14 52.797	+3.8515	+ 72	−41 11 55.34	+15.078	+ 13
803	α Cephei	2.5	21 16 23.060	+1.4342	+ 211	+62 11 43.96	+15.199	+ 49
804	1 Pegasi	4.2	21 17 49.887	+2.7737	+ 74	+19 24 37.66	+15.295	+ 53
805	γ Pavonis	4.2	21 18 50.785	+5.0074	+ 135	−65 46 58.70	+16.079	+ 788

Nr.	Name	Gr.	AR. 1908.0 h m s	Jährl. Veränderung s	Jährl. Eigenbew. in Einh. von 0ˢ.0001	Dekl. 1908.0 ° ′ ″	Jährl. Veränderung ″	Jährl. Eigenbew. in Einh. von 0″.001
806	ζ Capricorni	3.8	21 21 25.002	+3.4310	— 1	—22 48 36.86	+15.459	+ 23
807	[g Cygni]	5.4	21 26 3.216	+2.2121	+ 49	+46 8 4.43	+15.793	+ 103
808	β Aquarii	2.9	21 26 42.999	+3.1604	+ 11	— 5 58 34.58	+15.723	— 5
809	β Cephei	3.1	21 27 28.624	+0.7878	+ 20	+70 9 24.24	+15.776	+ 7
810	ν Octantis	3.7	21 31 16.415	+6.8207	+ 128	—77 47 56.59	+15.714	— 257
811	74 Cygni	5.1	21 33 15.621	+2.4022	— 3	+39 59 59.64	+16.088	+ 12
812	[γ Capricorni]	3.6	21 34 59.731	+3.3283	+ 131	—17 4 41.50	+16.149	— 17
813	[13 H. Cephei]	6.1	21 36 6.351	+1.8610	+ 7	+57 4 21.88	+16.225	+ 2
814	[ι Pisc.austr.]	4.4	21 39 28.152	+3.5823	+ 19	—33 26 45.12	+16.304	— 90
815	ε Pegasi	2.3	21 39 40.044	+2.9464	+ 19	+ 9 27 10.15	+16.404	— 1
816	[κ Pegasi]	4.1	21 40 28.697	+2.7149	+ 25	+25 13 18.52	+16.454	+ 10
817	[11 Cephei]	4.8	21 40 34.630	+0.8916	+ 233	+70 53 15.66	+16.546	+ 97
818	[λ Capricorni]	5.5	21 41 35.056	+3.2329	+ 20	—11 47 25.95	+16.497	— 4
819	δ Capricorni	2.8	21 41 57.868	+3.3151	+ 178	—16 32 42.46	+16.224	— 294
820	[ο Jndi]	5.6	21 43 0.943	+5.1365	— 87	—70 3 28.60	+16.551	— 20
821	π² Cygni	4.3	21 43 23.601	+2.2139	+ 8	+48 53 0.68	+16.585	— 4
822	γ Gruis	3.0	21 48 21.645	+3.6433	+ 77	—37 47 52.46	+16.810	— 19
823	16 Pegasi	5.2	21 48 52.518	+2.7279	+ 5	+25 29 31.03	+16.855	+ 2
824	[δ Jndi]	4.6	21 51 39.718	+4.1073	+ 47	—55 25 49.58	+16.955	— 30
825	[ε Jndi]	4.9	21 56 19.744	+4.6180	+4814	—57 9 51.64	+14.607	—2590
826	[20 Pegasi]	5.8	21 56 36.408	+2.9218	+ 36	+12 40 43.92	+17.157	— 54
827	α Aquarii	2.9	22 1 3.551	+3.0823	+ 10	— 0 46 1.58	+17.400	— 7
828	ι Aquarii	4.2	22 1 28.195	+3.2434	+ 24	—14 18 58.65	+17.374	— 51
830	20 Cephei	5.7	22 2 12.689	+1.8212	+ 22	+62 20 11.68	+17.516	+ 60
829	α Gruis	1.8	22 2 26.341	+3.7978	+ 119	—47 24 24.99	+17.295	— 171
831	[ι Pegasi]	3.9	22 2 43.631	+2.7906	+ 218	+24 53 43.53	+17.499	+ 21
832	[μ Pisc.austr.]	4.6	22 3 1.056	+3.5077	+ 42	—33 26 15.87	+17.449	— 42
833	[27 Pegasi]	5.8	22 5 8.984	+2.6556	— 42	+32 43 21.37	+17.518	— 65
834	ϑ Pegasi	3.6	22 5 33.550	+3.0265	+ 184	+ 5 44 41.69	+17.630	+ 30
835	π Pegasi	4.3	22 5 54.011	+2.6614	— 9	+32 43 35.34	+17.594	— 19
836	ζ Cephei	3.4	22 7 39.644	+2.0768	+ 14	+57 44 51.00	+17.691	+ 6
837	24 Cephei	4.8	22 8 2.464	+1.1602	+ 54	+71 53 16.37	+17.709	+ 8
838	[λ Pisc.austr.]	5.4	22 9 6.035	+3.4077	+ 16	—28 13 23.57	+17.743	— 2
839	[ε Octantis]	5.3	22 9 45.038	+6.9459	+ 138	—80 53 53.09	+17.730	— 41
840	ϑ Aquarii	4.2	22 11 58.804	+3.1680	+ 77	— 8 14 30.00	+17.842	— 19

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			h m s	s		° ′ ″	″	
841	α Tucanae	2.8	22 12 12.371	+4.1429	− 98	−60 43 6.52	+17.821	− 49
842	γ Aquarii	3.7	22 16 54.294	+3.0995	+ 83	− 1 51 4.48	+18.058	+ 7
843	[31 Pegasi]	4.9	22 16 59.340	+2.9516	− 1	+11 44 28.95	+18.064	+ 9
844	3 Lacertae	4.5	22 19 56.404	+2.3536	− 15	+51 46 4.22	+17.975	−191
845	[ν Gruis]	5.6	22 23 15.748	+3.5178	+ 29	−39 35 51.08	+18.125	−161
846	[δ¹ Gruis]	4.0	22 23 45.444	+3.5996	+ 17	−43 57 57.09	+18.297	− 9
847	[δ Cephei]	(4.1)	22 25 45.169	+2.2211	+ 17	+57 56 38.60	+18.377	+ 2
848	7 Lacertae	3.8	22 27 29.945	+2.4658	+ 147	+49 48 33.31	+18.451	+ 17
849	[υ Aquarii]	5.5	22 29 39.803	+3.2869	+ 156	−21 10 47.02	+18.366	−144
850	η Aquarii	3.9	22 30 37.758	+3.0836	+ 59	− 0 35 31.06	+18.486	− 56
851	[31 Cephei]	5.2	22 33 29.751	+1.4812	+ 381	+73 9 55.59	+18.658	+ 23
852	10 Lacertae	4.9	22 35 7.877	+2.6872	+ 4	+38 34 16.31	+18.682	− 6
853	[30 Cephei]	5.3	22 35 23.112	+2.1217	+ 1	+63 6 21.73	+18.674	− 22
854	[ε Pisc. austr.]	4.0	22 35 34.140	+3.3244	+ 12	−27 31 25.03	+18.704	+ 2
855	ζ Pegasi	3.3	22 36 52.395	+2.9912	+ 53	+10 21 3.04	+18.729	− 13
856	β Gruis	2.0	22 37 10.603	+3.5976	+ 118	−47 21 57.69	+18.726	− 25
857	η Pegasi	2.9	22 38 41.281	+2.8084	+ 12	+29 44 23.27	+18.765	− 33
858	[13 Lacertae]	5.4	22 39 59.169	+2.6697	− 6	+41 20 10.32	+18.841	+ 5
859	λ Pegasi	3.9	22 42 5.907	+2.8866	+ 41	+23 4 52.57	+18.889	− 10
860	ε Gruis	3.5	22 43 0.068	+3.6421	+ 97	−51 48 3.15	+18.852	− 73
861	[τ Aquarii]	4.0	22 44 43.324	+3.1793	− 12	−14 4 42.15	+18.942	− 33
862	[μ Pegasi]	3.6	22 45 33.692	+2.8924	+ 109	+24 6 56.09	+18.958	− 41
863	ι Cephei	3.5	22 46 24.133	+2.1261	− 114	+65 42 58.95	+18.899	−123
864	λ Aquarii	3.8	22 47 48.938	+3.1316	+ 5	− 8 4 9.65	+19.099	+ 38
865	ρ Indi	6.3	22 48 16.130	+4.2284	− 103	−70 33 55.11	+19.134	+ 62
866	δ Aquarii	3.2	22 49 46.135	+3.1871	− 33	−16 18 36.95	+19.094	− 19
867	α Pisc. austr.	1.2	22 52 34.124	+3.3219	+ 248	−30 6 35.90	+19.025	−159
868	[ζ Gruis]	4.0	22 55 27.154	+3.5618	− 80	−53 14 51.61	+19.240	− 16
869	ο Androm.	3.5	22 57 41.146	+2.7537	+ 25	+41 49 52.73	+19.297	− 13
870	β Pegasi	2.4	22 59 18.757	+2.9042	+ 145	+27 35 0.81	+19.484	+137
871	α Pegasi	2.4	23 0 10.626	+2.9860	+ 41	+14 42 36.20	+19.325	− 41
872	ϑ Gruis	4.2	23 1 41.945	+3.3923	− 52	−44 1 2.93	+19.363	− 38
873	c² Aquarii	3.7	23 4 32.560	+3.2030	+ 33	−21 40 18.96	+19.498	+ 36
874	π Cephei	4.5	23 4 58.127	+1.8982	+ 28	+74 53 24.13	+19.446	− 25
875	Br. 3077	5.8	23 8 50.888	+2.8728	+2524	+56 39 36.80	+19.840	+296

Nr.	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0".001
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876	[Tucanae 25 G.]	5.9	23 11 25.295	+3.5357	+233	−62 30 10.47	+19.545	− 53
877	γ Tucanae	3.9	23 12 3.860	+3.5237	− 60	−58 44 24.76	+19.690	+ 81
878	[γ Piscium]	3.7	23 12 23.747	+3.1093	+503	+ 2 46 45.93	+19.637	+ 17
879	γ Sculptoris	4.4	23 13 51.495	+3.2473	+ 10	−33 2 0.07	+19.573	− 68
880	τ Pegasi	4.5	23 16 4.907	+2.9653	+ 21	+23 14 11.75	+19.667	− 13
882	4 Cassiopejae	5.5	23 20 44.785	+2.6497	+ 17	+61 46 39.30	+19.742	− 10
881	[υ Pegasi]	4.4	23 20 47.158	+2.9901	+138	+22 53 50.90	+19.788	+ 35
883	[ο Gruis]	5.7	23 21 27.796	+3.3715	− 3	−53 13 51.54	+19.882	+118
884	κ Piscium	5.1	23 22 12.975	+3.0752	+ 56	+ 0 45 6.60	+19.682	− 93
885	70 Pegasi	4.7	23 24 30.052	+3.0315	+ 38	+12 15 10.22	+19.834	+ 28
886	[β Sculptoris]	4.4	23 28 2.400	+3.2258	+ 65	−38 19 37.82	+19.866	+ 14
887	[72 Pegasi]	5.2	23 29 23.198	+2.9702	+ 40	+30 49 2.79	+19.855	− 12
888	[Aquarii 248 G.]	6.7	23 30 47.343	+3.0951	− 13	− 7 58 25.26	+19.907	+ 23
889	[Phoenicis 11 G.]	4.6	23 32 53.972	+3.2405	+ 48	−46 0 6.03	+19.870	− 37
890	[λ Androm.]	3.8	23 33 3.448	+2.9258	+150	+45 57 34.50	+19.485	−423
891	ι Androm.	4.1	23 33 37.251	+2.9332	+ 27	+42 45 31.01	+19.908	− 5
892	ι Piscium	4.1	23 35 13.060	+3.0842	+247	+ 5 7 39.05	+19.490	−440
893	γ Cephei	3.3	23 35 33.863	+2.4324	−193	+77 7 7.88	+20.089	+157
894	ω² Aquarii	4.5	23 37 57.138	+3.1134	+ 65	−15 3 13.16	+19.891	− 63
895	41 H. Cephei	5.2	23 43 30.302	+2.8451	+ 23	+67 17 44.17	+19.995	+ 1
896	Lac. δ Sculpt.	4.4	23 44 8.114	+3.1300	+ 71	−28 38 20.83	+19.893	−105
897	[Aquarii 268 G.]	6.3	23 45 29.896	+3.0967	+ 86	−10 29 15.77	+20.093	+ 86
898	φ Pegasi	5.4	23 47 48.353	+3.0477	− 8	+18 36 33.45	+19.980	− 39
899	[ρ Cassiopejae]	4.8	23 49 46.911	+2.9801	− 7	+56 59 15.05	+20.029	+ 4
900	[27 Piscium]	5.1	23 53 57.782	+3.0713	− 37	− 4 3 59.11	+19.970	− 69
901	[π Phoenicis]	5.2	23 54 9.842	+3.1211	+ 31	−53 15 35.56	+20.085	+ 45
902	ω Piscium	3.9	23 54 35.171	+3.0789	+100	+ 6 21 14.24	+19.932	−109
903	ε Tucanae	4.5	23 55 8.417	+3.1428	+ 63	−66 5 20.28	+20.009	− 33
904	[ϑ Octantis]	5.0	23 56 52.569	+3.1330	−221	−77 34 25.07	+19.874	−171
905	[2 Ceti]	4.5	23 59 1.653	+3.0754	+ 12	−17 50 53.26	+20.043	− 4

Von den Sternen, deren Namen eingeklammert sind, folgen keine Ephemeriden.

	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbewegung 0s.	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbewegung 0".

Nördliche Polsterne.

	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbewegung 0s.	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbewegung 0".
Na	43 H. Cephei	4.3	0h 56m 1.113s	+ 7.5124	+0735	+85° 45′ 50.23″	+19.449	—001
Nb	α Ursae min.	2.0	1 26 1.678	+26.9085	+1380	+88 48 56.18	+18.653	+002
Nc	Gr. 750	6.8	4 7 24.755	+17.4595	+0156	+85 18 45.26	+ 9.489	+033
Nd	51 H. Cephei	5.2	6 57 40.643	+29.4379	—0499	+87 11 41.36	— 5.028	—037
Ne	1 H. Dracon.	4.3	9 24 2.318	+ 8.8542	—0062	+81 44 2.27	—15.601	—020
Nf	[30 H. Camel.]	5.2	10 19 56.267	+ 7.6462	—0471	+83 1 38.14	—18.135	+031
Ng	ε Ursae min.	4.2	16 55 21.910	— 6.2783	+0075	+82 11 23.50	— 5.573	+006
Nh	δ Ursae min.	4.3	18 1 56.810	—19.4968	+0177	+86 36 50.52	+ 0.227	+057
Ni	λ Ursae min.	6.8	19 13 19.069	—69.8891	—0917	+89 0 9.46	+ 6.314	+010
Nk	76 Draconis	6.0	20 49 17.847	— 4.1160	+0164	+82 11 28.42	+13.524	+027

Südliche Polsterne.

	Name	Gr.	AR. 1908.0	Jährl. Veränderung	Jährl. Eigenbewegung 0s.	Dekl. 1908.0	Jährl. Veränderung	Jährl. Eigenbewegung 0".
Sa	Octantis 4 G.	6	1h 42m 36.88s	— 3.848	+020	—85° 14′ 4.34″	+18.100	+030
Sb	[ς Mensae]	6	5 9 18.66	— 6.972	—013	— 82 35 40.47	+ 4.398	000
Sc	ζ Octantis	6—5	9 10 11.43	— 7.980	—090	—85 17 44.88	—14.740	+051
Sd	ι Octantis	6—5	12 45 13.90	+ 5.897	+040	—84 37 25.78	—19.627	+030
Se	Octantis 20 G.	7	14 42 19.12	+25.271	—186	—87 46 33.58	—15.286	—061
Sf	Octantis 26 G.	6—7	16 26 25.96	+21.522	000	—86 11 47.58	— 7.959	000
Sg	χ Octantis	6	18 0 50.43	+35.738	—106	—87 39 53.47	— 0.053	—126
Sh	σ Octantis	6	19 13 9.87	+99.049	+090	—89 14 30.63	+ 6.287	—004
Si	β Octantis	4—5	22 36 41.98	+ 6.362	—034	—81 51 51.81	+18.727	—009
Sk	τ Octantis	6	23 14 35.71	+10.578	+019	—87 59 15.54	+19.664	+010

Obere Kulmination.

1908	43 Hev. Cephei. $4^m.3$. AR.		Dekl.		α Ursae minoris. $2^m.0$. AR.		Dekl.		Gr. 750. $6^m.8$. AR.		Dekl.	
	$0^h\ 55^m$		+85° 46′		$1^h\ 25^m$		+88° 49′		$4^h\ 7^m$		+85° 18′	
	s		″		s		″		s		″	
Jan. 1	62.71	27	3.36	12	75.52	93	8.97	17	33.37	8	51.92	31
2	62.44	28	3.48	11	74.59	99	9.14	16	33.29	9	52.23	31
3	62.16	30	3.59	10	73.60	106	9.30	15	33.20	11	52.54	32
4	61.86	32	3.69	9	72.54	111	9.45	15	33.09	13	52.86	32
5	61.54	33	3.78	7	71.43	115	9.60	12	32.96	16	53.18	32
6	61.21	33	3.85	5	70.28	116	9.72	10	32.80	16	53.50	30
7	60.88	32	3.90	2	69.12	115	9.82	8	32.64	17	53.80	28
8	60.56	30	3.92	0	67.97	112	9.90	5	32.47	17	54.08	26
9	60.26	30	3.92	1	66.85	107	9.95	5	32.30	17	54.34	23
10	59.96	28	3.91	1	65.78	101	10.00	4	32.13	17	54.57	22
11	59.68	27	3.90	2	64.77	97	10.04	3	31.96	16	54.79	22
12	59.41	26	3.88	0	63.80	95	10.07	4	31.80	15	55.01	21
13	59.15	26	3.88	1	62.85	95	10.11	5	31.65	14	55.22	23
14	58.89	26	3.89	1	61.90	97	10.16	6	31.51	14	55.45	23
15	58.63	28	3.90	2	60.93	101	10.22	7	31.37	16	55.68	25
16	58.35	29	3.92	1	59.92	107	10.29	6	31.21	16	55.93	26
17	58.06	32	3.93	0	58.85	113	10.35	5	31.05	18	56.19	27
18	57.74	32	3.93	2	57.72	118	10.40	4	30.87	20	56.46	25
19	57.42	33	3.91	4	56.54	121	10.44	1	30.67	22	56.71	24
20	57.09	33	3.87	6	55.33	120	10.45	0	30.45	23	56.95	22
21	56.76	31	3.81	8	54.13	118	10.45	2	30.22	23	57.17	20
22	56.45	30	3.73	9	52.95	113	10.43	5	29.99	23	57.37	19
23	56.15	29	3.64	11	51.82	107	10.38	6	29.76	23	57.56	17
24	55.86	26	3.53	10	50.75	101	10.32	5	29.53	22	57.73	15
25	55.60	26	3.43	10	49.74	96	10.27	6	29.31	20	57.88	15
26	55.34	24	3.33	8	48.78	93	10.21	5	29.11	19	58.03	15
27	55.10	25	3.25	8	47.85	94	10.16	2	28.92	18	58.18	16
28	54.85	25	3.17	7	46.91	96	10.14	3	28.74	19	58.34	17
29	54.60	27	3.10	6	45.95	100	10.11	1	28.55	19	58.51	18
30	54.33	29	3.04	7	44.95	105	10.10	2	28.36	21	58.69	19
31	54.04	30	2.97	8	43.90	110	10.08	3	28.15	22	58.88	20
Febr. 1	53.74	30	2.89	10	42.80	114	10.05	4	27.93	24	59.08	18
2	53.44	31	2.79	12	41.66	115	10.01	7	27.69	25	59.26	17
3	53.14	31	2.67	14	40.51	114	9.94	9	27.44	27	59.43	14
4	52.83	28	2.53	16	39.37	110	9.85	12	27.17	26	59.57	13
5	52.55	26	2.37	18	38.27	105	9.73	13	26.91	26	59.70	10
6	52.29	25	2.19	18	37.22	98	9.60	14	26.65	26	59.80	9
7	52.04		2.01		36.24		9.46		26.39		59.89	
O. K.	$+0^s.29\cos\varphi$				$+1^s.04\cos\varphi$				$+0^s.26\cos\varphi$			
U. K.	$-0.29\cos\varphi$				$-1.04\cos\varphi$				$-0.26\cos\varphi$			

Obere Kulmination.

1908	43 Hev. Cephei. $4^m.3$. AR.	Diff.	Dekl.	Diff.	α Ursae minoris. $2^m.0$. AR.	Diff.	Dekl.	Diff.	Gr. 750. $6^m.8$. AR.	Diff.	Dekl.	Diff.
	$0^h\ 55^m$		$+85°\ 45'$		$1^h\ 25^m$		$+88°\ 49'$		$4^h\ 7^m$		$+85°\ 18'$	
Febr. 7	52.04	23	62.01	18	36.24	92	9.46	14	26.39	24	59.89	7
8	51.81	22	61.83	17	35.32	88	9.32	14	26.15	22	59.96	6
9	51.59	22	61.66	17	34.44	86	9.18	13	25.93	23	60.02	7
10	51.37	22	61.49	16	33.58	85	9.05	12	25.70	22	60.09	8
11	51.15	23	61.33	15	32.73	89	8.93	11	25.48	23	60.17	10
12	50.92	24	61.18	15	31.84	94	8.82	11	25.25	23	60.27	10
13	50.68	25	61.03	16	30.90	98	8.71	12	25.02	25	60.37	10
14	50.43	27	60.87	17	29.92	102	8.59	13	24.77	26	60.47	10
15	50.16	27	60.70	20	28.90	104	8.46	15	24.51	28	60.57	9
16	49.89	26	60.50	21	27.86	105	8.31	16	24.23	28	60.66	7
17	49.63	25	60.29	23	26.81	103	8.15	19	23.95	29	60.73	6
18	49.38	24	60.06	25	25.78	97	7.96	20	23.66	28	60.79	3
19	49.14	22	59.81	26	24.81	90	7.76	22	23.38	28	60.82	1
20	48.92	20	59.55	25	23.91	83	7.54	23	23.10	28	60.83	1
21	48.72	18	59.30	26	23.08	76	7.31	22	22.82	25	60.82	2
22	48.54	17	59.04	24	22.32	72	7.09	21	22.57	24	60.80	1
23	48.37	16	58.80	22	21.60	68	6.88	20	22.33	24	60.79	1
24	48.21	17	58.58	21	20.92	70	6.68	18	22.09	22	60.78	0
25	48.04	18	58.37	20	20.22	73	6.50	18	21.87	22	60.78	1
26	47.86	19	58.17	21	19.49	77	6.32	17	21.65	24	60.79	2
27	47.67	19	57.96	21	18.72	81	6.15	18	21.41	25	60.81	2
28	47.48	21	57.75	22	17.91	84	5.97	19	21.16	26	60.83	2
29	47.27	21	57.53	25	17.07	86	5.78	21	20.90	27	60.85	2
März 1	47.06	21	57.28	26	16.21	84	5.57	23	20.63	28	60.87	1
2	46.85	18	57.02	29	15.37	81	5.34	26	20.35	28	60.86	4
3	46.67	17	56.73	30	14.56	75	5.08	26	20.07	28	60.82	6
4	46.50	16	56.43	31	13.81	68	4.82	28	19.79	27	60.76	8
5	46.34	13	56.12	30	13.13	60	4.54	28	19.52	26	60.68	9
6	46.21	12	55.82	30	12.53	55	4.26	28	19.26	25	60.59	10
7	46.09	10	55.52	29	11.98	50	3.98	27	19.01	23	60.49	10
8	45.99	10	55.23	27	11.48	48	3.71	25	18.78	23	60.39	9
9	45.89	11	54.96	25	11.00	50	3.46	24	18.55	22	60.30	9
10	45.78	11	54.71	26	10.50	54	3.22	24	18.33	22	60.21	7
11	45.67	13	54.45	26	9.96	57	2.98	24	18.11	23	60.14	6
12	45.54	14	54.19	27	9.39	61	2.74	25	17.88	24	60.08	7
13	45.40	14	53.92	28	8.78	63	2.49	25	17.64	26	60.01	6
14	45.26	14	53.64	30	8.15	64	2.24	27	17.38	26	59.95	8
15	45.12		53.34		7.51		1.97		17.12		59.87	
O. K.	$+ 0^s.29 \cos\varphi$				$+ 1^s.04 \cos\varphi$				$+ 0^s.26 \cos\varphi$			
U. K.	$- 0\ .29 \cos\varphi$				$- 1\ .04 \cos\varphi$				$- 0\ .26 \cos\varphi$			

Obere Kulmination.

1908	43 Hev. Cephei. $4^m.3$. AR.		Dekl.		α Ursae minoris. $2^m.0$. AR.		Dekl.		Gr. 750. $6^m.8$. AR.		Dekl.	
	$0^h\ 55^m$		$+85°\ 45'$		$1^h\ 25^m$		$+88°\ 48'$		$4^h\ 7^m$		$+85°\ 18'$	
März 15	$45^s.12$	13	$53''.34$	32	$7^s.51$	61	$61''.97$	30	$17^s.12$	27	$59''.87$	11
16	44.99	12	53.02	33	6.90	57	61.67	32	16.85	27	59.76	13
17	44.87	9	52.69	34	6.33	50	61.35	32	16.58	25	59.63	15
18	44.78	8	52.35	34	5.83	42	61.03	33	16.33	25	59.48	16
19	44.70	5	52.01	33	5.41	34	60.70	32	16.08	23	59.32	18
20	44.65	4	51.68	33	5.07	28	60.38	31	15.85	22	59.14	18
21	44.61	2	51.35	30	4.79	24	60.07	29	15.63	21	58.96	17
22	44.59	3	51.05	28	4.55	22	59.78	29	15.42	19	58.79	17
23	44.56	3	50.77	28	4.33	24	59.49	27	15.23	19	58.62	15
24	44.53	4	50.49	27	4.09	28	59.22	26	15.04	18	58.47	13
25	44.49	5	50.22	27	3.81	31	58.96	26	14.86	19	58.34	14
26	44.44	7	49.95	28	3.50	35	58.70	27	14.67	21	58.20	13
27	44.37	6	49.67	29	3.15	36	58.43	28	14.46	22	58.07	14
28	44.31	6	49.38	30	2.79	36	58.15	30	14.24	22	57.93	15
29	44.25	5	49.08	33	2.43	32	57.85	31	14.02	22	57.78	18
30	44.20	4	48.75	33	2.11	27	57.54	33	13.80	22	57.60	19
31	44.16	1	48.42	35	1.84	21	57.21	34	13.58	21	57.41	22
April 1	44.15	— 1	48.07	34	1.63	12	56.87	34	13.37	20	57.19	23
2	44.16	3	47.73	33	1.51	4	56.53	34	13.17	18	56.96	24
3	44.19	4	47.40	32	1.47	— 1	56.19	32	12.99	17	56.72	24
4	{ 44.23 / 44.28 }	5 / 4	{ 47.08 / 46.77 }	31 / 28	1.48	3	55.87	31	12.82	15	56.48	24
5	44.32	5	46.49	27	1.51	3	55.56	30	12.67	15	56.24	23
6	44.37	3	46.22	28	1.54	1	55.26	29	12.52	14	56.01	21
7	44.40	1	45.94	29	1.55	— 2	54.97	28	12.38	15	55.80	19
8	44.41	1	45.65	28	1.53	7	54.69	28	12.23	16	55.61	20
9	44.42	1	45.37	29	1.46	10	54.41	28	12.07	17	55.41	19
10	44.43	2	45.08	32	1.36	10	54.13	30	11.90	17	55.22	21
11	44.45	3	44.76	33	1.26	9	53.83	31	11.73	18	55.01	22
12	44.48	5	44.43	33	{ 1.17 / 1.12 }	5 / — 1	{ 53.52 / 53.18 }	34 / 34	11.55	18	54.79	24
13	44.53	7	44.10	33	1.13	9	52.84	35	11.37	17	54.55	26
14	44.60	9	43.77	33	1.22	17	52.49	34	11.20	17	54.29	28
15	44.69	11	43.44	31	1.39	24	52.15	32	11.03	14	54.01	28
16	44.80	12	43.13	30	1.63	28	51.83	32	10.89	12	53.73	29
17	44.92	13	42.83	28	1.91	31	51.51	29	10.77	10	53.44	28
18	45.05	12	42.55	25	2.22	31	51.22	27	10.67	9	53.16	28
19	45.17		42.30		2.53		50.95		10.58		52.88	
O. K.	$+ 0^s.29 \cos\varphi$				$+ 1^s.04 \cos\varphi$				$+ 0^s.26 \cos\varphi$			
U. K.	$- 0\ .29 \cos\varphi$				$- 1\ .04 \cos\varphi$				$- 0\ .26 \cos\varphi$			

Obere Kulmination.

1908	43 Hev. Cephei. $4^m.3$.				α Ursae minoris. $2^m.0$.				Gr. 750. $6^m.8$.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$0^h\ 55^m$		$+85°\ 45'$		$1^h\ 25^m$		$+88°\ 48'$		$4^h\ 7^m$		$+85°\ 18'$	
April 19	$45^s.17$	11	$42''.30$	24	$2^s.53$	28	$50''.95$	27	$10^s.58$	8	$52''.88$	26
20	45.28	10	42.06	24	2.81	24	50.68	25	10.50	8	52.62	25
21	45.38	9	41.82	24	3.05	20	50.43	25	10.42	9	52.37	24
22	45.47	8	41.58	24	3.25	18	50.18	26	10.33	9	52.13	22
23	45.55	9	41.34	26	3.43	18	49.92	27	10.24	10	51.91	23
24	45.64	10	41.08	28	3.61	20	49.65	29	10.14	11	51.68	24
25	45.74	11	40.80	29	3.81	24	49.36	31	10.03	11	51.44	25
26	45.85	13	40.51	29	4.05	31	49.05	31	9.92	11	51.19	27
27	45.98	15	40.22	30	4.36	38	48.74	32	9.81	10	50.92	29
28	46.13	16	39.92	28	4.74	45	48.42	31	9.71	9	50.63	31
29	46.29	18	39.64	27	5.19	51	48.11	30	9.62	7	50.32	32
30	46.47	18	39.37	25	5.70	54	47.81	28	9.55	5	50.00	32
Mai 1	46.65	20	39.12	23	6.24	55	47.53	26	9.50	3	49.68	31
2	46.85	18	38.89	22	6.79	54	47.27	24	9.47	3	49.37	29
3	47.03	16	38.67	21	7.33	51	47.03	23	9.44	2	49.08	28
4	47.19	16	38.46	19	7.84	46	46.80	23	9.42	2	48.80	27
5	47.35	16	38.27	21	8.30	42	46.57	23	9.40	3	48.53	26
6	47.51	14	38.06	21	8.72	40	46.34	25	9.37	3	48.27	26
7	47.65	15	37.85	23	9.12	40	46.09	25	9.34	5	48.01	25
8	47.80	15	37.62	24	9.52	43	45.84	26	9.29	5	47.76	27
9	47.95	17	37.38	25	9.95	48	45.58	28	9.24	5	47.49	28
10	48.12	20	37.13	25	10.43	54	45.30	27	9.19	5	47.21	30
11	48.32	21	36.88	24	10.97	62	45.03	28	9.14	4	46.91	31
12	48.53	23	36.64	23	11.59	69	44.75	27	9.10	1	46.60	33
13	48.76	25	36.41	22	12.28	75	44.48	24	9.09	0	46.27	33
14	49.01	24	36.20	19	13.03	77	44.24	22	9.09	2	45.94	32
15	49.25	24	36.01	17	13.80	78	44.02	21	9.11	4	45.62	32
16	49.49	24	35.84	14	14.58	75	43.81	18	9.15	5	45.30	30
17	49.73	23	35.70	13	15.33	70	43.63	17	9.20	5	45.00	28
18	49.96	21	35.57	13	16.03	67	43.46	17	9.25	5	44.72	26
19	50.17	20	35.44	14	16.70	64	43.29	17	9.30	4	44.46	25
20	50.37	20	35.30	15	17.34	61	43.12	18	9.34	4	44.21	24
21	50.57	20	35.15	16	17.95	62	42.94	19	9.38	3	43.97	25
22	50.77	21	34.99	16	18.57	64	42.75	21	9.41	2	43.72	27
23	50.98	23	34.83	18	19.21	70	42.54	20	9.43	2	43.45	27
24	51.21	25	34.65	17	19.91	77	42.34	21	{ 9.45 / 9.49 }	4 / 4	{ 43.18 / 42.88 }	30 / 30
25	51.46		34.48		20.68		42.13		9.53		42.58	
O. K.	$+ 0^s.29 \cos\varphi$				$+ 1^s.03 \cos\varphi$				$+ 0^s.26 \cos\varphi$			
U. K.	$- 0\ .29 \cos\varphi$				$- 1\ .03 \cos\varphi$				$- 0\ .26 \cos\varphi$			

Obere Kulmination.

1908	43 Hev. Cephei. $4^m.3$.				α Ursae minoris. $2^m.0$.				Gr. 750. $6^m.8$.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$0^h\ 55^m$		$+85°\ 45'$		$1^h\ 25^m$		$+88°\ 48'$		$4^h\ 7^m$		$+85°\ 18'$	
Mai 25	$51^s.46$	26	$34''.48$	17	$20^s.68$	84	$42''.13$	21	$9^s.53$	6	$42''.58$	32
26	51.72	28	34.31	16	21.52	89	41.92	20	9.59	8	42.26	31
27	52.00	28	34.15	14	22.41	93	41.72	19	9.67	9	41.95	32
28	52.28	29	34.01	11	23.34	95	41.53	16	9.76	10	41.63	30
29	52.57	28	33.90	10	24.29	93	41.37	14	9.86	11	41.33	28
30	52.85	27	33.80	8	25.22	89	41.23	12	9.97	11	41.05	26
31	53.12	26	33.72	7	26.11	85	41.11	12	10.08	11	40.79	25
Juni 1	53.38	25	33.65	8	26.96	81	40.99	11	10.19	10	40.54	23
2	53.63	23	33.57	8	27.77	77	40.88	12	10.29	9	40.31	24
3	53.86	23	33.49	9	28.54	75	40.76	13	10.38	9	40.07	24
4	54.09	24	33.40	10	29.29	76	40.63	14	10.47	8	39.83	25
5	54.33	25	33.30	11	30.05	79	40.49	15	10.55	8	39.58	26
6	54.58	26	33.19	11	30.84	85	40.34	16	10.63	9	39.32	28
7	54.84	28	33.08	11	31.69	91	40.18	15	10.72	11	39.04	29
8	55.12	30	32.97	9	32.60	98	40.03	14	10.83	13	38.75	30
9	55.42	31	32.88	8	33.58	104	39.89	13	10.96	13	38.45	29
10	55.73	32	32.80	6	34.62	107	39.76	11	11.09	16	38.16	28
11	56.05	31	32.74	3	35.69	107	39.65	8	11.25	18	37.88	27
12	56.36	31	32.71	1	36.76	105	39.57	6	11.43	18	37.61	24
13	56.67	29	32.70	0	37.81	101	39.51	4	11.61	17	37.37	22
14	56.96	28	32.70	1	38.82	96	39.47	3	11.78	17	37.15	21
15	57.24	27	32.71	2	39.78	91	39.44	3	11.95	17	36.94	20
16	57.51	26	32.73	1	40.69	88	39.41	4	12.12	15	36.74	19
17	57.77	25	32.74	$\bar{1}$	41.57	86	39.37	5	12.27	15	36.55	20
18	58.02	26	32.73	2	42.43	87	39.32	6	12.42	15	36.35	21
19	58.28	27	32.71	2	43.30	92	39.26	7	12.57	14	36.14	22
20	58.55	29	32.69	2	44.22	97	39.19	7	12.71	16	35.92	24
21	58.84	31	32.67	2	45.19	103	39.12	7	12.87	17	35.68	25
22	59.15	31	32.65	2	46.22	108	39.05	6	13.04	19	35.43	26
23	59.46	33	32.63	$\bar{1}$	47.30	113	38.99	5	13.23	21	35.17	25
24	59.79	33	32.64	3	48.43	115	38.94	3	13.44	21	34.92	23
25	60.12	32	32.67	5	49.58	113	38.91	$\bar{1}$	13.65	23	34.69	21
26	60.44	31	32.72	6	50.71	110	38.92	1	13.88	23	34.48	20
27	60.75	29	32.78	7	51.81	105	38.93	2	14.11	22	34.28	18
28	61.04	29	32.85	8	52.86	100	38.95	3	14.33	21	34.10	17
29	61.33	27	32.93	7	53.86	94	38.98	4	14.54	21	33.93	15
30	61.60	26	33.00	7	54.80	91	39.02	2	14.75	19	33.78	15
Juli 1	61.86		33.07		55.71		39.04		14.94		33.63	
O. K.	$+ 0^s.29 \cos \varphi$				$+ 1^s.03 \cos \varphi$				$+ 0^s.26 \cos \varphi$			
U. K.	$- 0 .29 \cos \varphi$				$- 1 .03 \cos \varphi$				$- 0 .26 \cos \varphi$			

Obere Kulmination.

1908	43 Hev. Cephei. $4^m.3$.				α Ursae minoris. $2^m.0$.				Gr. 750. $6^m.8$.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$0^h\ 56^m$		$+85°\ 45'$		$1^h\ 25^m$		$+88°\ 48'$		$4^h\ 7^m$		$+85°\ 18'$	
Juli 1	$1^s.86$	25	33″.07	6	$55^s.71$	90	39″.04	2	$14^s.94$	19	33″.63	16
2	2.11	27	33.13	4	56.61	92	39.06	0	15.13	19	33.47	18
3	2.38	27	33.17	5	57.53	96	39.06	1	15.32	18	33.29	18
4	2.65	29	33.22	4	58.49	101	39.05	1	15.50	20	33.11	20
5	2.94	30	33.26	5	59.50	108	39.04	0	15.70	22	32.91	21
6	3.24	32	33.31	6	60.58	113	39.04	2	15.92	23	32.70	20
7	3.56	33	33.37	9	61.71	116	39.06	3	16.15	26	32.50	19
8	3.89	33	33.46	11	62.87	117	39.09	6	16.41	26	32.31	18
9	4.22	32	33.57	14	64.04	115	39.15	8	16.67	27	32.13	16
10	4.54	30	33.71	14	65.19	111	39.23	10	16.94	27	31.97	13
11	4.84	29	33.85	16	66.30	106	39.33	11	17.21	28	31.84	11
12	5.13	28	34.01	17	67.36	100	39.44	12	17.49	26	31.73	10
13	5.41	25	34.18	16	68.36	95	39.56	11	17.75	25	31.63	10
14	5.66	25	34.34	15	69.31	92	39.67	11	18.00	23	31.53	10
15	5.91	25	34.49	14	70.23	91	39.78	9	18.23	24	31.43	10
16	6.16	27	34.63	12	71.14	94	39.87	9	18.47	23	31.33	12
17	6.43	27	34.75	12	72.08	98	39.96	8	18.70	24	31.21	12
18	6.70	28	34.87	12	73.06	103	40.04	8	18.94	25	31.09	14
19	6.98	30	34.99	13	74.09	109	40.12	8	19.19	26	30.95	15
20	7.28	31	35.12	15	75.18	113	40.20	9	19.45	28	30.80	14
21	7.59	32	35.27	17	76.31	115	40.29	11	19.73	29	30.66	13
22	7.91	31	35.44	19	77.46	114	40.40	14	20.02	30	30.53	11
23	8.22	29	35.63	20	78.60	111	40.54	16	20.32	31	30.42	9
24	8.51	28	35.83	22	79.71	105	40.70	17	20.63	29	30.33	8
25	8.79	27	36.05	22	80.76	100	40.87	17	20.92	29	30.25	5
26	9.06	24	36.27	22	81.76	93	41.04	18	21.21	28	30.20	4
27	9.30	23	36.49	21	82.69	88	41.22	18	21.49	27	30.16	4
28	9.53	23	36.70	20	83.57	86	41.40	16	21.76	25	30.12	4
29	9.76	23	36.90	19	84.43	86	41.56	14	22.01	26	30.08	5
30	9.99	24	37.09	18	85.29	89	41.70	14	22.27	25	30.03	6
31	10.23	25	37.27	18	86.18	93	41.84	15	22.52	26	29.97	8
Aug. 1	10.48	26	37.45	19	87.11	99	41.99	14	22.78	27	29.89	8
2	10.74	27	37.64	19	88.10	104	42.13	14	23.05	29	29.81	8
3	11.01	28	37.83	21	89.14	107	42.27	16	23.34	30	29.73	8
4	11.29	29	38.04	24	90.21	107	42.43	19	23.64	31	29.65	6
5	11.58	28	38.28	26	91.28	107	42.62	22	23.95	32	29.59	4
6	11.86	27	38.54	28	92.35	103	42.84	23	24.27	33	29.55	2
7	12.13		38.82		93.38		43.07		24.60		29.53	
O. K.	$+0^s.29\cos\varphi$				$+1^s.03\cos\varphi$				$+0^s.26\cos\varphi$			
U. K.	$-0.29\cos\varphi$				$-1.03\cos\varphi$				$-0.26\cos\varphi$			

Obere Kulmination.

1908	43 Hev. Cephei. $4^m.3$.				α Ursae minoris. $2^m.0$.				Gr. 750. $6^m.8$.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$0^h\ 56^m$		$+85°\ 45'$		$1^h\ 26^m$		$+88°\ 48'$		$4^h\ 7^m$		$+85°\ 18'$	
Aug. 7	$12^s.13$	24	$38''.82$	29	$33^s.38$	98	$43''.07$	25	$24^s.60$	32	$29''.53$	0
8	12.37	23	39.11	28	34.36	91	43.32	25	24.92	32	29.53	2
9	12.60	22	39.39	30	35.27	85	43.57	25	25.24	30	29.55	3
10	12.82	20	39.69	28	36.12	81	43.82	24	25.54	29	29.58	3
11	13.02	19	39.97	26	36.93	79	44.06	24	25.83	28	29.61	3
12	13.21	20	40.23	26	37.72	79	44.30	22	26.11	27	29.64	2
13	13.41	22	40.49	24	38.51	82	44.52	21	26.38	28	29.66	0
14	13.63	22	40.73	25	39.33	86	44.73	21	26.66	29	29.66	1
15	13.85	23	40.98	25	40.19	92	44.94	21	26.95	29	29.65	1
16	14.08	25	41.23	26	41.11	96	45.15	22	27.24	30	29.64	1
17	14.33	24	41.49	28	42.07	98	45.37	24	27.54	32	29.63	1
18	14.57	25	41.77	29	43.05	98	45.61	26	27.86	34	29.62	1
19	14.82	24	42.06	31	44.03	95	45.87	27	28.20	33	29.63	3
20	15.06	22	42.37	33	44.98	89	46.14	29	28.53	33	29.66	5
21	15.28	20	42.70	33	45.87	83	46.43	30	28.86	32	29.71	6
22	15.48	18	43.03	34	46.70	78	46.73	30	29.18	32	29.77	8
23	15.66	17	43.37	33	47.48	71	47.03	29	29.50	29	29.85	9
24	15.83	16	43.70	31	48.19	66	47.32	29	29.79	29	29.94	9
25	15.99	15	44.01	30	48.85	64	47.61	27	30.08	27	30.03	9
26	16.14	15	44.31	29	49.49	66	47.88	27	30.35	27	30.12	7
27	16.29	17	44.60	28	50.15	69	48.15	25	30.62	27	30.19	6
28	16.46	18	44.88	29	50.84	75	48.40	25	30.89	29	30.25	6
29	16.64	20	45.17	29	51.59	79	48.65	26	31.18	29	30.31	4
30	16.84	20	45.46	30	52.38	83	48.91	27	31.47	31	30.35	5
31	17.04	20	45.76	32	53.21	84	49.18	29	31.78	32	30.40	6
Sept. 1	17.24	20	46.08	34	54.05	84	49.47	32	32.10	33	30.46	8
2	17.44	18	46.42	37	54.89	80	49.79	33	32.43	33	30.54	9
3	17.62	17	46.79	38	55.69	74	50.12	35	32.76	33	30.63	12
4	17.79	16	47.17	38	56.43	67	50.47	36	33.09	32	30.75	14
5	17.95	13	47.55	39	57.10	61	50.83	36	33.41	31	30.89	16
6	18.08	12	47.94	37	57.71	56	51.19	35	33.72	29	31.05	16
7	18.20	11	48.31	36	58.27	53	51.54	34	34.01	29	31.21	16
8	18.31	10	48.67	34	58.80	51	51.88	33	34.30	27	31.37	15
9	18.41	11	49.01	34	59.31	53	52.21	31	34.57	28	31.52	14
10	18.52	12	49.35	32	59.84	56	52.52	30	34.85	27	31.66	12
11	18.64	14	49.67	33	60.40	61	52.82	31	35.12	28	31.78	11
12	18.78	14	50.00	33	61.01	65	53.13	31	35.40	30	31.89	12
13	18.92		50.33		61.66		53.44		35.70		32.01	
O. K.	$+ 0^s.29 \cos \varphi$				$+ 1^s.03 \cos \varphi$				$+ 0^s.26 \cos \varphi$			
U. K.	$- 0\ .29 \cos \varphi$				$- 1\ .03 \cos \varphi$				$- 0\ .26 \cos \varphi$			

Obere Kulmination.

1908	43 Hev. Cephei. $4^m.3$.				α Ursae minoris. $2^m.0$.				Gr. 750. $6^m.8$.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$0^h\ 56^m$		$+85°\ 45'$		$1^h\ 27^m$		$+88°\ 48'$		$4^h\ 7^m$		$+85°\ 18'$	
Sept. 13	$18^s.92$	16	$50''.33$	35	$1^s.66$	67	$53''.44$	32	$35^s.70$	30	$32''.01$	11
14	19.08	15	50.68	36	2.33	68	53.76	33	36.00	32	32.12	12
15	19.23	15	51.04	38	3.01	66	54.09	36	36.32	31	32.24	15
16	19.38	13	51.42	40	3.67	61	54.45	38	36.63	32	32.39	16
17	19.51	10	51.82	40	4.28	55	54.83	38	36.95	31	32.55	19
18	19.61	9	52.22	40	4.83	47	55.21	38	37.26	30	32.74	20
19	19.70	8	52.62	40	5.30	41	55.59	39	37.56	28	32.94	22
20	19.78	6	53.02	38	5.71	35	55.98	37	37.84	27	33.16	21
21	19.84	5	53.40	37	6.06	32	56.35	36	38.11	25	33.37	21
22	19.89	4	53.77	35	6.38	32	56.71	34	38.36	24	33.58	20
23	19.93	6	54.12	34	6.70	34	57.05	34	38.60	25	33.78	18
24	19.99	8	54.46	34	7.04	38	57.39	32	38.85	25	33.96	18
25	20.07	8	54.80	34	7.42	43	57.71	33	39.10	26	34.14	16
26	20.15	9	55.14	35	7.85	46	58.04	34	39.36	28	34.30	17
27	20.24	10	55.49	36	8.31	48	58.38	35	39.64	28	34.47	18
28	20.34	9	55.85	39	8.79	48	58.73	36	39.92	30	34.65	18
29	20.43	8	56.24	40	9.27	46	59.09	39	40.22	29	34.83	21
30	20.51	7	56.64	41	9.73	40	59.48	40	40.51	30	35.04	23
Okt. 1	20.58	4	57.05	43	10.13	34	59.88	42	40.81	28	35.27	26
2	20.62	3	57.48	42	10.47	26	60.30	42	41.09	28	35.53	27
3	20.65	1	57.90	42	10.73	20	60.72	41	41.37	26	35.80	27
4	20.66	0	58.32	41	10.93	15	61.13	41	41.63	24	36.07	27
5	20.66	0	58.73	38	11.08	13	61.54	38	41.87	23	36.34	27
6	20.66	0	59.11	36	11.21	13	61.92	37	42.10	23	36.61	25
7	20.66	0	59.47	36	11.34	16	62.29	36	42.33	22	36.86	24
8	20.66	2	59.83	35	11.50	19	62.65	35	42.55	22	37.10	23
9	20.68	3	60.18	36	11.69	24	63.00	36	42.77	24	37.33	21
10	20.71	3	60.54	36	11.93	27	63.36	35	43.01	25	37.54	22
11	20.74	3	60.90	38	12.20	28	63.71	37	43.26	26	37.76	24
12	20.77	3	61.28	39	12.48	27	64.08	40	43.52	26	38.00	24
13	20.80	2	61.67	42	12.75	22	64.48	41	43.78	26	38.24	27
14	20.82	0	62.09	41	12.97	17	64.89	41	44.04	26	38.51	28
15	20.82	2	62.50	41	13.14	9	65.30	42	44.30	24	38.79	30
16	20.80	4	62.91	41	13.23	1	65.72	42	44.54	23	39.09	31
17	20.76	6	63.32	39	13.24	−5	66.14	40	44.77	21	39.40	32
18	20.70	7	63.71	38	13.19	9	66.54	39	44.98	18	39.72	31
19	20.63	7	64.09	37	13.10	10	66.93	38	45.16	18	40.03	30
20	20.56		64.46		13.00		67.31		45.34		40.33	
O. K.	$+0^s.29 \cos\varphi$				$+1^s.04 \cos\varphi$				$+0^s.26 \cos\varphi$			
U. K.	$-0.29 \cos\varphi$				$-1.04 \cos\varphi$				$-0.26 \cos\varphi$			

Obere Kulmination.

1908	43 Hev. Cephei. 4ᵐ.3. AR.		Dekl.		α Ursae minoris. 2ᵐ.0. AR.		Dekl.		Gr. 750. 6ᵐ.8. AR.		Dekl.	
	0ʰ 56ᵐ		+85° 46′		1ʰ 27ᵐ		+88° 49′		4ʰ 7ᵐ		+85° 18′	
Okt. 20	20.56	7	4.46	35	13.00	9	7.31	36	45.34	18	40.33	29
21	20.49	5	4.81	33	12.91	7	7.67	35	45.52	18	40.62	27
22	20.44	5	5.14	34	12.84	4	8.02	35	45.70	18	40.89	27
23	20.39	3	5.48	34	12.80	1	8.37	34	45.88	20	41.16	26
24	20.36	3	5.82	35	12.81	5	8.71	35	46.08	21	41.42	26
25	20.33	2	6.17	36	12.86	6	9.06	37	46.29	21	41.68	27
26	20.31	4	6.53	39	12.92	3	9.43	40	46.50	21	41.95	29
27	20.27	4	6.92	40	12.95	1	9.83	41	46.71	21	42.24	32
28	20.23	7	7.32	41	12.94	9	10.24	42	46.92	21	42.56	33
29	20.16	9	7.73	40	12.85	15	10.66	42	47.13	20	42.89	34
30	20.07	11	8.13	39	12.70	22	11.08	41	47.33	19	43.23	36
31	19.96	12	8.52	38	12.48	28	11.49	40	47.52	16	43.59	36
Nov. 1	19.84	12	8.90	37	12.20	31	11.89	38	47.68	15	43.95	35
2	19.72	13	9.27	35	11.89	33	12.27	37	47.83	13	44.30	34
3	19.59	12	9.62	32	11.56	31	12.64	35	47.96	14	44.64	32
4	19.47	12	9.94	32	11.25	27	12.99	34	48.10	13	44.96	31
5	19.35	9	10.26	32	10.98	23	13.33	34	48.23	14	45.27	30
6	19.26	9	10.58	33	10.75	20	13.67	34	48.37	15	45.57	29
7	19.17	8	10.91	34	10.55	19	14.01	35	48.52	16	45.86	30
8	19.09	10	11.25	34	10.36	18	14.36	36	48.68	16	46.16	31
9	18.99	10	11.59	36	10.18	21	14.72	38	48.84	17	46.47	32
10	18.89	11	11.95	36	9.97	26	15.10	38	49.01	16	46.79	34
11	18.78	14	12.31	36	9.71	34	15.48	40	49.17	15	47.13	36
12	18.64	15	12.67	36	9.37	42	15.88	38	49.32	13	47.49	38
13	18.49	17	13.03	35	8.95	49	16.26	37	49.45	11	47.87	38
14	18.32	19	13.38	33	8.46	54	16.63	37	49.56	9	48.25	38
15	18.13	18	13.71	31	7.92	56	17.00	34	49.65	8	48.63	36
16	17.95	19	14.02	28	7.36	56	17.34	32	49.73	7	48.99	35
17	17.76	18	14.30	27	6.80	54	17.66	30	49.80	7	49.34	33
18	17.58	17	14.57	27	6.26	50	17.96	30	49.87	6	49.67	32
19	17.41	16	14.84	26	5.76	46	18.26	30	49.93	8	49.99	30
20	17.25	15	15.10	28	5.30	43	18.56	30	50.01	9	50.29	31
21	17.10	14	15.38	28	4.87	41	18.86	32	50.10	10	50.60	32
22	16.96	15	15.66	30	4.46	42	19.18	33	50.20	10	50.92	33
23	16.81	16	15.96	31	4.04	45	19.51	34	50.30	10	51.25	34
24	16.65	18	16.27	32	3.59	50	19.85	35	50.40	9	51.59	37
25	16.47	19	16.59	32	3.09	58	20.20	36	50.49	8	51.96	37
26	16.28		16.91		2.51		20.56		50.57		52.33	
O. K.	+ 0ˢ.29 cos φ				+ 1ˢ.04 cos φ				+ 0ˢ.26 cos φ			
U. K.	— 0 .29 cos φ				— 1 .04 cos φ				— 0 .26 cos φ			

Obere Kulmination.

1908	43 Hev. Cephei. 4ᵐ.3.				α Ursae minoris. 2ᵐ.0.				Gr. 750. 6ᵐ.8.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$0^h\ 56^m$		$+85°\ 46'$		$1^h\ 26^m$		$+88°\ 49'$		$4^h\ 7^m$		$+85°\ 18'$	
Nov. 26	16.28	22	16.91	31	62.51	64	20.56	35	50.57	7	52.33	39
27	16.06	23	17.22	30	61.87	71	20.91	34	50.64	5	52.72	39
28	15.83	23	17.52	28	61.16	76	21.25	32	50.69	4	53.11	39
29	15.60	24	17.80	26	60.40	77	21.57	30	50.73	1	53.50	37
30	15.36	24	18.06	24	59.63	75	21.87	27	50.74	2	53.87	36
Dez. 1	15.12	22	18.30	22	58.88	73	22.14	26	50.76	1	54.23	34
2	14.90	21	18.52	22	58.15	69	22.40	26	50.77	1	54.57	33
3	14.69	20	18.74	22	57.46	65	22.66	25	50.78	2	54.90	31
4	14.49	20	18.96	23	56.81	62	22.91	26	50.80	3	55.21	31
5	14.29	19	19.19	23	56.19	61	23.17	27	50.83	3	55.52	33
6	14.10	20	19.42	24	55.58	62	23.44	28	50.86	4	55.85	33
7	13.90	21	19.66	24	54.96	67	23.72	28	50.90	3	56.18	34
8	13.69	24	19.90	26	54.29	73	24.00	29	50.93	2	56.52	37
9	13.45	24	20.16	24	53.56	81	24.29	30	50.95	1	56.89	37
10	13.21	27	20.40	23	52.75	87	24.59	28	50.96	— 1	57.26	38
11	12.94	28	20.63	22	51.88	93	24.87	26	50.95	3	57.64	38
12	12.66	29	20.85	19	50.95	96	25.13	25	50.92	5	58.02	36
13	12.37	28	21.04	17	49.99	98	25.38	21	50.87	7	58.38	35
14	12.09	28	21.21	15	49.01	95	25.59	20	50.80	6	58.73	33
15	11.81	27	21.36	14	48.06	91	25.79	19	50.74	7	59.06	32
16	11.54	25	21.50	13	47.15	87	25.98	18	50.67	6	59.38	29
17	11.29	24	21.63	14	46.28	82	26.16	17	50.61	5	59.67	29
18	11.05	24	21.77	14	45.46	79	26.33	19	50.56	4	59.96	29
19	10.81	22	21.91	16	44.67	78	26.52	20	50.52	4	60.25	30
20	10.59	24	22.07	16	43.89	81	26.72	21	50.48	3	60.55	31
21	10.35	25	22.23	17	43.08	84	26.93	21	50.45	4	60.86	34
22	10.10	27	22.40	18	42.24	90	27.14	23	50.41	4	61.20	34
23	9.83	29	22.58	17	41.34	97	27.37	22	50.37	6	61.54	36
24	9.54	30	22.75	16	40.37	103	27.59	21	50.31	8	61.90	35
25	9.24	31	22.91	14	39.34	108	27.80	19	50.23	10	62.25	35
26	8.93	32	23.05	11	38.26	110	27.99	17	50.13	11	62.60	33
27	8.61	31	23.16	10	37.16	109	28.16	15	50.02	12	62.93	32
28	8.30	30	23.26	7	36.07	106	28.31	12	49.90	13	63.25	30
29	8.00	29	23.33	6	35.01	102	28.43	11	49.77	13	63.55	28
30	7.71	27	23.39	6	33.99	97	28.54	11	49.64	11	63.83	27
31	7.44	26	23.45	6	33.02	91	28.65	11	49.53	11	64.10	26
32	7.18		23.51		32.11		28.76		49.42		64.36	
O. K.	+ 0ˢ.29 cos φ				+ 1ˢ.04 cos φ				+ 0ˢ.26 cos φ			
U. K.	— 0 .29 cos φ				— 1 .04 cos φ				— 0 .26 cos φ			

Obere Kulmination.

1908	51 Hev. Cephei. $5^m.2$. AR.		51 Hev. Cephei. Dekl.		1 Hev. Draconis. $4^m.3$. AR.		1 Hev. Draconis. Dekl.		ε Ursae minoris. $4^m.2$. AR.		ε Ursae minoris. Dekl.	
	$6^h\ 57^m$		$+87°\ 11'$		$9^h\ 24^m$		$+81°\ 43'$		$16^h\ 55^m$		$+82°\ 11'$	
Jan. 1	$57^s.75$	18	$38''.42$	30	$5^s.52$	14	$51''.95$	16	$14^s.56$	4	$18''.97$	35
2	57.93	18	38.72	31	5.66	14	52.11	17	14.60	4	18.62	36
3	58.11	16	39.03	33	5.80	15	52.28	19	14.64	5	18.26	37
4	58.27	16	39.36	35	5.95	15	52.47	21	14.69	7	17.89	39
5	58.43	13	39.71	36	6.10	14	52.68	23	14.76	8	17.50	37
6	58.56	9	40.07	37	6.24	14	52.91	25	14.84	8	17.13	36
7	58.65	6	40.44	36	6.38	12	53.16	25	14.92	10	16.77	33
8	58.71	4	40.80	35	6.50	11	53.41	26	15.02	9	16.44	32
9	58.75	1	41.15	33	6.61	11	53.67	24	15.11	9	16.12	30
10	58.76	0	41.48	32	6.72	9	53.91	23	15.20	9	15.82	29
11	58.76	0	41.80	30	6.81	9	54.14	22	15.29	8	15.53	28
12	58 76	2	42.10	30	6.90	10	54.36	22	15.37	8	15.25	27
13	58.78	2	42.40	29	7.00	11	54.58	20	15.45	8	14.98	29
14	58.80	3	42.69	30	7.11	10	54.78	22	15.53	7	14.69	31
15	58.83	4	42.99	31	7.21	11	55.00	22	15.60	9	14.38	31
16	58.87	5	43.30	33	7.32	11	55.22	24	15.69	9	14.07	33
17	58.92	3	43.63	35	7.43	11	55.46	27	15.78	10	13.74	33
18	58.95	1	43.98	36	7.54	10	55.73	28	15.88	12	13.41	32
19	58.96	2	44.34	37	7.64	10	56.01	30	16.00	11	13.09	32
20	58.94	5	44.71	37	7.74	9	56.31	31	16.11	13	12.77	30
21	58.89	9	45.08	36	7.83	9	56.62	31	16.24	13	12.47	28
22	58.80	11	45.44	34	7.92	7	56.93	30	16.37	13	12.19	25
23	58.69	12	45.78	32	7.99	6	57.23	29	16.50	13	11.94	23
24	58.57	12	46.10	30	8.05	6	57.52	28	16.63	12	11.71	22
25	58.45	11	46.40	29	8.11	6	57.80	26	16.75	12	11.49	22
26	58.34	10	46.69	28	8.17	6	58.06	24	16.87	10	11.27	22
27	58.24	9	46.97	28	8.23	6	58.30	25	16.97	10	11.05	24
28	58.15	7	47.25	28	8.29	7	58.55	25	17.07	11	10.81	24
29	58.08	7	47.53	29	8.36	8	58.80	27	17.18	12	10.57	26
30	58.01	7	47.82	31	8.44	7	59.07	28	17.30	13	10.31	28
31	57.94	9	48.13	33	8.51	8	59.35	29	17.43	12	10.03	27
Febr. 1	57.85	10	48.46	34	8.59	7	59.64	32	17.55	13	9.76	26
2	57.75	13	48.80	34	8.66	6	59.96	33	17.68	15	9.50	25
3	57.62	17	49.14	33	8.72	5	60.29	34	17.83	16	9.25	22
4	57.45	20	49.47	32	8.77	4	60.63	33	17.99	15	9.03	21
5	57.25	22	49.79	30	8.81	3	60.96	32	18.14	16	8.82	18
6	57.03	23	50.09	29	8.84	2	61.28	31	18.30	15	8.64	15
7	56.80		50.38		8.86		61.59		18.45		8.49	
O. K.	$+ 0^s.44 \cos\varphi$				$+ 0^s.15 \cos\varphi$				$+ 0^s.16 \cos\varphi$			
U. K.	$- 0.44 \cos\varphi$				$- 0.15 \cos\varphi$				$- 0.16 \cos\varphi$			

Obere Kulmination.

1908	51 Hev. Cephei. 5ᵐ.2. AR.		51 Hev. Cephei. Dekl.		1 Hev. Draconis. 4ᵐ.3. AR.		1 Hev. Draconis. Dekl.		ε Ursae minoris. 4ᵐ.2. AR.		ε Ursae minoris. Dekl.	
	6ʰ 57ᵐ		+87° 11′		9ʰ 24ᵐ		+81° 44′		16ʰ 55ᵐ		+82° 11′	
Febr. 7	56ˢ.80	24	50″.38	26	8ˢ.86	1	1″.59	30	18ˢ.45	14	8″.49	15
8	56.56	23	50.64	26	8.87	2	1.89	29	18.59	14	8.34	15
9	56.33	22	50.90	25	8.89	2	2.18	28	18.73	13	8.19	14
10	56.11	21	51.15	25	8.91	2	2.46	27	18.86	14	8.05	16
11	55.90	19	51.40	26	8.93	3	2.73	28	19.00	14	7.89	17
12	55.71	19	51.66	26	8.96	3	3.01	29	19.14	13	7.72	18
13	55.52	20	51.92	28	8.99	3	3.30	32	19.27	15	7.54	18
14	55.32	21	52.20	29	9.02	3	3.62	33	19.42	16	7.36	18
15	55.11	23	52.49	30	9.05	2	3.95	34	19.58	18	7.18	17
16	54.88	27	52.79	30	9.07	1	4.29	36	19.76	17	7.01	16
17	54.61	29	53.09	28	9.08	0	4.65	35	19.93	17	6.85	13
18	54.32	32	53.37	28	9.08	1	5.00	35	20.10	18	6.72	11
19	54.00	34	53.65	26	9.07	2	5.35	33	20.28	18	6.61	8
20	53.66	34	53.91	23	9.05	3	5.68	31	20.46	16	6.53	8
21	53.32	33	54.14	21	9.02	3	5.99	31	20.62	16	6.45	6
22	52.99	32	54.35	20	8.99	2	6.30	28	20.78	15	6.39	5
23	52.67	31	54.55	19	8.97	2	6.58	27	20.93	14	6.34	7
24	52.36	28	54.74	18	8.95	1	6.85	27	21.07	14	6.27	8
25	52.08	27	54.92	20	8.94	1	7.12	28	21.21	14	6.19	8
26	51.81	27	55.12	20	8.93	0	7.40	29	21.35	16	6.11	10
27	51.54	27	55.32	22	8.93	1	7.69	30	21.51	15	6.01	10
28	51.27	29	55.54	22	8.92	2	7.99	31	21.66	16	5.91	10
29	50.98	32	55.76	24	8.90	2	8.30	33	21.82	18	5.81	9
März 1	50.66	35	56.00	22	8.88	4	8.63	34	22.00	17	5.72	6
2	50.31	37	56.22	22	8.84	4	8.97	33	22.17	18	5.66	3
3	49.94	38	56.44	20	8.80	5	9.30	32	22.35	18	5.63	2
4	49.56	41	56.64	18	8.75	6	9.62	30	22.53	18	5.61	— 1
5	49.15	42	56.82	16	8.69	6	9.92	29	22.71	17	5.62	3
6	48.73	41	56.98	13	8.63	7	10.21	27	22.88	15	5.65	3
7	48.32	39	57.11	12	8.56	6	10.48	26	23.03	16	5.68	3
8	47.93	37	57.23	12	8.50	6	10.74	25	23.19	15	5.71	3
9	47.56	35	57.35	12	8.44	6	10.99	25	23.34	15	5.74	1
10	47.21	35	57.47	14	8.38	5	11.24	26	23.49	15	5.75	0
11	46.86	34	57.61	14	8.33	5	11.50	27	23.64	15	5.75	1
12	46.52	35	57.75	15	8.28	5	11.77	28	23.79	16	5.74	1
13	46.17	36	57.90	17	8.23	5	12.05	30	23.95	17	5.73	— 1
14	45.81	40	58.07	16	8.18	7	12.35	31	24.12	18	5.74	2
15	45.41		58.23		8.11		12.66		24.30		5.76	
O. K.	+ 0ˢ.44 cos φ				+ 0ˢ.15 cos φ				+ 0ˢ.16 cos φ			
U. K.	— 0 .44 cos φ				— 0 .15 cos φ				— 0 .16 cos φ			

Obere Kulmination.

1908	51 Hev. Cephei. $5^m.2$.				1 Hev. Draconis. $4^m.3$.				ε Ursae minoris. $4^m.2$.			
	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ
	$6^h\ 57^m$		$+87°\ 11'$		$9^h\ 24^m$		$+81°\ 44'$		$16^h\ 55^m$		$+82°\ 11'$	
März 15	$45^s.41$	42	$58''.23$	15	$8^s.11$	7	$12''.66$	30	$24^s.30$	17	$5''.76$	4
16	44.99	43	58.38	14	8.04	8	12.96	30	24.47	18	5.80	6
17	44.56	46	58.52	12	7.96	9	13.26	28	24.65	18	5.86	9
18	44.10	47	58.64	9	7.87	10	13.54	27	24.83	17	5.95	11
19	43.63	45	58.73	7	7.77	10	13.81	25	25.00	16	6.06	11
20	43.18	44	58.80	6	7.67	10	14.06	22	25.16	15	6.17	11
21	42.74	42	58.86	4	7.57	10	14.28	20	25.31	14	6.28	12
22	42.32	40	58.90	3	7.47	9	14.48	21	25.45	13	6.40	10
23	41.92	37	58.93	4	7.38	8	14.69	20	25.58	13	6.50	9
24	41.55	37	58.97	5	7.30	7	14.89	20	25.71	13	6.59	9
25	41.18	35	59.02	6	7.23	8	15.09	22	25.84	14	6.68	8
26	40.83	37	59.08	7	7.15	8	15.31	23	25.98	15	6.76	8
27	40.46	39	59.15	8	7.07	9	15.54	24	26.13	16	6.84	9
28	40.07	40	59.23	7	6.98	9	15.78	25	26.29	16	6.93	10
29	39.67	44	59.30	7	6.89	10	16.03	24	26.45	15	7.03	13
30	39.23	46	59.37	5	6.79	11	16.27	24	26.60	16	7.16	15
31	38.77	46	59.42	2	6.68	12	16.51	22	26.76	15	7.31	17
April 1	38.31	47	59.44	0	6.56	12	16.73	20	26.91	15	7.48	20
2	37.84	46	59.44	2	6.44	13	16.93	18	27.06	13	7.68	20
3	37.38	45	59.42	3	6.31	12	17.11	16	27.19	13	7.88	19
4	36.93	42	59.39	4	6.19	12	17.27	15	27.32	12	8.07	19
5	36.51	41	59.35	5	6.07	11	17.42	14	27.44	12	8.26	19
6	36.10	38	59.30	4	5.96	10	17.56	14	27.56	11	8.45	17
7	35.72	37	59.26	2	5.86	11	17.70	16	27.67	12	8.62	15
8	35.35	37	59.24	2	5.75	10	17.86	16	27.79	13	8.77	16
9	34.98	38	59.22	1	5.65	11	18.02	18	27.92	14	8.93	16
10	34.60	40	59.21	0	5.54	11	18.20	19	28.06	13	9.09	17
11	34.20	42	59.21	1	5.43	12	18.39	19	28.19	14	9.26	19
12	33.78	44	59.20	1	5.31	12	18.58	19	28.33	14	9.45	21
13	33.34	44	59.19	3	5.19	14	18.77	17	28.47	13	9.66	22
14	32.90	46	59.16	6	5.05	14	18.94	15	28.60	13	9.88	25
15	32.44	46	59.10	9	4.91	14	19.09	13	28.73	12	10.13	26
16	31.98	44	59.01	11	4.77	14	19.22	10	28.85	11	10.39	27
17	31.54	40	58.90	11	4.63	13	19.32	8	28.96	10	10.66	26
18	31.14	38	58.79	13	4.50	14	19.40	7	29.06	9	10.92	25
19	30.76	36	58.66	13	4.36	12	19.47	6	29.15	9	11.17	24
20	30.40	34	58.53	12	4.24	12	19.53	7	29.24	8	11.41	22
21	30.06		58.41		4.12		19.60		29.32		11.63	
O. K.	$+0^s.44 \cos\varphi$				$+0^s.15 \cos\varphi$				$+0^s.16 \cos\varphi$			
U. K.	$-0\ .44 \cos\varphi$				$-0\ .15 \cos\varphi$				$-0\ .16 \cos\varphi$			

Obere Kulmination.

1908	51 Hev. Cephei. $5^m.2$.				1 Hev. Draconis. $4^m.3$.				ε Ursae minoris. $4^m.2$.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$6^h\ 57^m$		$+87^\circ\ 11'$		$9^h\ 23^m$		$+81^\circ\ 44'$		$16^h\ 55^m$		$+82^\circ\ 11'$	
April 21	$30^s.06$	33	$58''.41$	10	$64^s.12$	11	$19''.60$	7	$29^s.32$	9	$11''.63$	22
22	29.73	32	58.31	10	64.01	11	19.67	8	29.41	9	11.85	21
23	29.41	33	58.21	8	63.90	11	19.75	10	29.50	10	12.06	21
24	29.08	35	58.13	8	63.79	12	19.85	11	29.60	10	12.27	23
25	28.73	37	58.05	10	63.67	13	19.96	10	29.70	11	12.50	24
26	28.36	40	57.95	10	63.54	13	20.06	11	29.81	10	12.74	27
27	27.96	40	57.85	13	63.41	15	20.17	8	29.91	10	13.01	29
28	27.56	40	57.72	14	63.26	15	20.25	5	30.01	9	13.30	30
29	27.16	40	57.58	17	63.11	14	20.30	4	30.10	9	13.60	31
30	26.76	37	57.41	18	62.97	15	20.34	2	30.19	7	13.91	32
Mai 1	26.39	35	57.23	20	62.82	14	20.36	1	30.26	6	14.23	31
2	26.04	33	57.03	20	62.68	14	20.37	1	30.32	5	14.54	29
3	25.71	30	56.83	18	62.54	13	20.36	1	30.37	6	14.83	28
4	25.41	29	56.65	18	62.41	11	20.35	0	30.43	6	15.11	27
5	25.12	28	56.47	16	62.30	12	20.35	1	30.49	5	15.38	25
6	24.84	28	56.31	16	62.18	11	20.36	2	30.54	6	15.63	26
7	24.56	29	56.15	15	62.07	12	20.38	3	30.60	7	15.89	26
8	24.27	31	56.00	15	61.95	13	20.41	4	30.67	8	16.15	28
9	23.96	32	55.85	15	61.82	13	20.45	3	30.75	7	16.43	29
10	23.64	33	55.70	17	61.69	14	20.48	2	30.82	7	16.72	31
11	23.31	34	55.53	20	61.55	14	20.50	0	30.89	6	17.03	32
12	22.97	34	55.33	22	61.41	15	20.50	2	30.95	6	17.35	34
13	22.63	32	55.11	23	61.26	15	20.48	4	31.01	4	17.69	35
14	22.31	30	54.88	25	61.11	14	20.44	6	31.05	3	18.04	34
15	22.01	27	54.63	26	60.97	14	20.38	8	31.08	2	18.38	33
16	21.74	24	54.37	25	60.83	12	20.30	9	31.10	2	18.71	31
17	21.50	21	54.12	25	60.71	12	20.21	10	31.12	1	19.02	30
18	21.29	19	53.87	24	60.59	11	20.11	8	31.13	1	19.32	28
19	21.10	18	53.63	22	60.48	10	20.03	8	31.14	2	19.60	28
20	20.92	18	53.41	22	60.38	10	19.95	6	31.16	2	19.88	26
21	20.74	20	53.19	21	60.28	11	19.89	5	31.18	3	20.14	28
22	20.54	21	52.98	20	60.17	12	19.84	5	31.21	3	20.42	30
23	20.33	22	52.78	22	60.05	12	19.79	6	31.24	4	20.72	31
24	20.11	24	52.56	23	59.93	13	19.73	6	31.28	2	21.03	32
25	19.87	24	52.33	25	59.80	13	19.67	9	31.30	2	21.35	34
26	19.63	24	52.08	26	59.67	14	19.58	11	31.32	2	21.69	35
27	19.39	23	51.82	29	59.53	13	19.47	13	31.34	1	22.04	36
28	19.16		51.53		59.40		19.34		31.33		22.40	
O. K.	$+0^s.44 \cos\varphi$				$+0^s.15 \cos\varphi$				$+0^s.16 \cos\varphi$			
U. K.	$-0.44 \cos\varphi$				$-0.15 \cos\varphi$				$-0.16 \cos\varphi$			

Obere Kulmination.

1908		51 Hev. Cephei. $5^m.2$.				1 Hev. Draconis. $4^m.3$.				ε Ursae minoris. $4^m.2$.			
		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
		$6^h\ 57^m$		$+87°\ 11'$		$9^h\ 23^m$		$+81°\ 44'$		$16^h\ 55^m$		$+82°\ 11'$	
Mai	28	19.16	20	51.53	29	59.40	12	19.34	15	31.33	1	22.40	35
	29	18.96	17	51.24	31	59.28	12	19.19	15	31.32	1	22.75	33
	30	18.79	14	50.93	30	59.16	11	19.04	17	31.31	3	23.08	31
	31	18.65	12	50.63	29	59.05	10	18.87	15	31.28	2	23.39	30
Juni	1	18.53	11	50.34	27	58.95	10	18.72	14	31.26	2	23.69	29
	2	18.42	9	50.07	26	58.85	9	18.58	13	31.24	1	23.98	28
	3	18.33	10	49.81	24	58.76	10	18.45	13	31.23	1	24.26	27
	4	18.23	12	49.57	24	58.66	10	18.32	12	31.22	1	24.53	28
	5	18.11	14	49.33	24	58.56	10	18.20	11	31.21	0	24.81	30
	6	17.97	15	49.09	26	58.46	11	18.09	12	31.21	0	25.11	31
	7	17.82	16	48.83	26	58.35	11	17.97	13	31.21	1	25.42	33
	8	17.66	15	48.57	29	58.24	12	17.84	16	31.20	2	25.75	34
	9	17.51	14	48.28	30	58.12	12	17.68	17	31.18	3	26.09	35
	10	17.37	11	47.98	32	58.00	12	17.51	20	31.15	4	26.44	35
	11	17.26	8	47.66	33	57.88	10	17.31	22	31.11	6	26.79	33
	12	17.18	6	47.33	34	57.78	10	17.09	23	31.05	6	27.12	31
	13	17.12	3	46.99	32	57.68	8	16.86	23	30.99	6	27.43	30
	14	17.09	0	46.67	32	57.60	7	16.63	21	30.93	6	27.73	28
	15	17.09	1	46.35	30	57.53	8	16.42	21	30.87	6	28.01	26
	16	17.10	2	46.05	28	57.45	7	16.21	21	30.81	5	28.27	26
	17	17.12	1	45.77	27	57.38	6	16.00	19	30.76	5	28.53	25
	18	17.13	0	45.50	26	57.32	7	15.81	18	30.71	5	28.78	26
	19	17.13	2	45.24	27	57.25	8	15.63	19	30.66	5	29.04	28
	20	17.11	3	44.97	28	57.17	8	15.44	19	30.61	4	29.32	30
	21	17.08	4	44.69	30	57.09	10	15.25	20	30.57	6	29.62	31
	22	17.04	3	44.39	31	56.99	9	15.05	23	30.51	6	29.93	31
	23	17.01	2	44.08	32	56.90	9	14.82	24	30.45	7	30.24	32
	24	16.99	1	43.76	34	56.81	8	14.58	26	30.38	8	30.56	31
	25	16.98	2	43.42	35	56.73	8	14.32	28	30.30	9	30.87	31
	26	17.00	5	43.07	34	56.65	7	14.04	27	30.21	9	31.18	29
	27	17.05	9	42.73	34	56.58	6	13.77	28	30.12	10	31.47	26
	28	17.14	10	42.39	31	56.52	5	13.49	27	30.02	9	31.73	25
	29	17.24	11	42.08	29	56.47	5	13.22	25	29.93	9	31.98	24
	30	17.35	10	41.79	28	56.42	4	12.97	24	29.84	9	32.22	22
Juli	1	17.45	9	41.51	28	56.38	5	12.73	23	29.75	8	32.44	23
	2	17.54	8	41.23	27	56.33	5	12.50	23	29.67	7	32.67	23
	3	17.62	7	40.96	27	56.28	6	12.27	23	29.60	7	32.90	25
	4	17.69		40.69		56.22		12.04		29.53		33.15	
O. K.		$+0^s.44 \cos\varphi$				$+0^s.15 \cos\varphi$				$+0^s.16 \cos\varphi$			
U. K.		$-0.44 \cos\varphi$				$-0.15 \cos\varphi$				$-0.16 \cos\varphi$			

Obere Kulmination.

1908	51 Hev. Cephei. $5^m.2$.				1 Hev. Draconis. $4^m.3$.				ε Ursae minoris. $4^m.2$.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$6^h\ 57^m$	Diff.	$+87°\ 11'$	Diff.	$9^h\ 23^m$	Diff.	$+81°\ 44'$	Diff.	$16^h\ 55^m$	Diff.	$+82°\ 11'$	Diff.
Juli 4	17.69	6	40.69	28	56.22	6	12.04	23	29.53	8	33.15	26
5	17.75	5	40.41	29	56.16	6	11.81	26	29.45	9	33.41	28
	17.80	6	40.12	32								
6	17.86	8	39.80	33	56.10	7	11.55	28	29.36	9	33.69	28
7	17.94	12	39.47	34	56.03	6	11.27	30	29.27	10	33.97	28
8	18.06	14	39.13	35	55.97	6	10.97	31	29.17	11	34.25	27
9	18.20	17	38.78	34	55.91	5	10.66	33	29.06	13	34.52	25
10	18.37	19	38.44	33	55.86	3	10.33	32	28.93	13	34.77	23
11	18.56	22	38.11	31	55.83	2	10.01	32	28.80	12	35.00	22
12	18.78	22	37.80	29	55.81	2	9.69	32	28.68	13	35.22	19
13	19.00	22	37.51	27	55.79	2	9.37	29	28.55	13	35.41	18
14	19.22	20	37.24	27	55.77	1	9.08	29	28.42	11	35.59	18
15	19.42	20	36.97	26	55.76	2	8.79	27	28.31	12	35.77	17
16	19.62	18	36.71	27	55.74	2	8.52	27	28.19	10	35.94	19
17	19.80	16	36.44	28	55.72	2	8.25	27	28.09	11	36.13	21
18	19.96	16	36.16	30	55.70	3	7.98	28	27.98	11	36.34	22
19	20.12	18	35.86	31	55.67	4	7.70	30	27.87	12	36.56	22
20	20.30	19	35.55	32	55.63	3	7.40	31	27.75	13	36.78	23
21	20.49	21	35.23	32	55.60	4	7.09	33	27.62	14	37.01	23
22	20.70	25	34.91	33	55.56	2	6.76	36	27.48	14	37.24	21
23	20.95	26	34.58	32	55.54	1	6.40	34	27.34	16	37.45	20
24	21.21	29	34.26	30	55.53	1	6.06	36	27.18	15	37.65	18
25	21.50	31	33.96	28	55.52	—1	5.70	34	27.03	15	37.83	15
26	21.81	30	33.68	26	55.53	1	5.36	32	26.88	15	37.98	14
27	22.11	29	33.42	24	55.54	2	5.04	31	26.73	14	38.12	13
28	22.40	28	33.18	24	55.56	2	4.73	30	26.59	13	38.25	13
29	22.68	27	32.94	23	55.58	1	4.43	28	26.46	13	38.38	13
30	22.95	25	32.71	24	55.59	1	4.15	28	26.33	13	38.51	14
31	23.20	24	32.47	25	55.60	0	3.87	30	26.20	13	38.65	15
Aug. 1	23.44	24	32.22	28	55.60	1	3.57	30	26.07	13	38.80	17
2	23.68	27	31.94	29	55.59	0	3.27	32	25.94	14	38.97	17
3	23.95	28	31.65	30	55.59	1	2.95	34	25.80	15	39.14	18
4	24.23	31	31.35	30	55.58	0	2.61	35	25.65	16	39.32	17
5	24.54	34	31.05	30	55.58	1	2.26	36	25.49	17	39.49	14
6	24.88	37	30.75	28	55.59	2	1.90	38	25.32	18	39.63	13
7	25.25	39	30.47	27	55.61	3	1.52	38	25.14	18	39.76	11
8	25.64	40	30.20	25	55.64	5	1.14	36	24.96	17	39.87	9
9	26.04		29.95		55.69		0.78		24.79		39.96	
O. K.	$+0^s.44 \cos\varphi$				$+0^s.15 \cos\varphi$				$+0^s.16 \cos\varphi$			
U. K.	$-0^s.44 \cos\varphi$				$-0^s.15 \cos\varphi$				$-0^s.16 \cos\varphi$			

Obere Kulmination.

1908	51 Hev. Cephei. $5^m.2$. AR.		Dekl.		1 Hev. Draconis. $4^m.3$. AR.		Dekl.		ε Ursae minoris. $4^m.2$. AR.		Dekl.	
	$6^h\ 57^m$		$+87°\ 11'$		$9^h\ 23^m$		$+81°\ 43'$		$16^h\ 55^m$		$+82°\ 11'$	
Aug. 9	26.04	40	29.95	23	55.69	5	60.78	34	24.79	17	39.96	7
10	26.44	38	29.72	21	55.74	4	60.44	33	24.62	17	40.03	6
11	26.82	38	29.51	21	{ 55.78	5	{ 60.11	32	24.45	15	40.09	6
					{ 55.83	5	{ 59.79	31				
12	27.20	35	29.30	21	55.88	4	59.48	31	24.30	15	40.15	6
13	27.55	33	29.09	22	55.92	3	59.17	31	24.15	14	40.21	8
14	27.88	34	28.87	23	55.95	3	58.86	32	24.01	16	40.29	9
15	28.22	34	28.64	24	55.98	2	58.54	34	23.85	16	40.38	9
16	28.56	35	28.40	25	56.00	4	58.20	35	23.69	16	40.47	11
17	28.91	36	28.15	27	56.04	4	57.85	37	23.53	18	40.58	11
18	29.27	39	27.88	26	56.08	4	57.48	38	23.35	18	40.69	9
19	29.66	42	27.62	25	56.12	5	57.10	37	23.17	18	40.78	8
20	30.08	45	27.37	24	56.17	6	56.73	36	22.99	19	40.86	6
21	30.53	45	27.13	21	56.23	7	56.37	35	22.80	18	40.92	4
22	30.98	46	26.92	20	56.30	8	56.02	34	22.62	18	40.96	1
23	31.44	45	26.72	18	56.38	7	55.68	32	22.44	17	40.97	1
24	31.89	44	26.54	16	56.45	7	55.36	30	22.27	17	40.98	1
25	32.33	42	26.38	16	56.52	8	55.06	29	22.10	16	40.97	0
26	32.75	40	26.22	16	56.60	6	54.77	30	21.94	16	40.97	1
27	33.15	39	26.06	17	56.66	6	54.47	30	21.78	16	40.98	2
28	33.54	38	25.89	18	56.72	6	54.17	31	21.62	16	41.00	2
29	33.92	39	25.71	21	56.78	6	53.86	33	21.46	16	41.02	4
30	34.31	41	25.50	21	56.84	6	53.53	35	21.30	17	41.06	4
31	34.72	44	25.29	21	56.90	7	53.18	36	21.13	18	41.10	4
Sept. 1	35.16	46	25.08	21	56.97	7	52.82	37	20.95	19	41.14	2
2	35.62	49	24.87	20	57.04	9	52.45	37	20.76	20	41.16	1
3	36.11	52	24.67	18	57.13	10	52.08	35	20.56	19	41.17	2
4	36.63	53	24.49	17	57.23	10	51.73	35	20.37	20	41.15	5
5	37.16	52	24.32	14	57.33	11	51.38	32	20.17	19	41.10	6
6	37.68	51	24.18	13	57.44	10	51.06	30	19.98	19	41.04	7
7	38.19	50	24.05	12	57.54	10	50.76	30	19.79	17	40.97	8
8	38.69	48	23.93	11	57.64	11	50.46	28	19.62	16	40.89	7
9	39.17	47	23.82	12	57.75	10	50.18	29	19.46	17	40.82	7
10	39.64	45	23.70	12	57.85	9	49.89	30	19.29	16	40.75	5
11	40.09	44	23.58	14	57.94	8	49.59	31	19.13	17	40.70	4
12	40.53	45	23.44	15	58.02	8	49.28	32	18.96	17	40.66	3
13	40.98	47	23.29	16	58.10	9	48.96	34	18.79	18	40.63	3
14	41.45		23.13		58.19		48.62		18.61		40.60	
O. K.	$+ 0^s.44 \cos\varphi$				$+ 0^s.15 \cos\varphi$				$+ 0^s.16 \cos\varphi$			
U. K.	$- 0.44 \cos\varphi$				$- 0.15 \cos\varphi$				$- 0.16 \cos\varphi$			

Obere Kulmination.

1908	51 Hev. Cephei. $5^m.2$. AR.		51 Hev. Cephei. Dekl.		1 Hev. Draconis. $4^m.3$. AR.		1 Hev. Draconis. Dekl.		ε Ursae minoris. $4^m.2$. AR.		ε Ursae minoris. Dekl.	
	$6^h\ 57^m$		$+87°\ 11'$		$9^h\ 23^m$		$+81°\ 43'$		$16^h\ 55^m$		$+82°\ 11'$	
Sept. 14	$41^s.45$	49	$23''.13$	16	$58^s.19$	10	$48''.62$	34	$18^s.61$	19	$40''.60$	3
15	41.94	51	22.97	16	58.29	11	48.28	35	18.42	19	40.57	5
16	42.45	54	22.81	14	58.40	12	47.93	34	18.23	20	40.52	7
17	42.99	55	22.67	13	58.52	12	47.59	32	18.03	20	40.45	10
18	43.54	56	22.54	9	58.64	13	47.27	30	17.83	18	40.35	11
19	44.10	55	22.45	7	58.77	14	46.97	28	17.65	18	40.24	12
20	44.65	53	22.38	7	58.91	13	46.69	27	17.47	18	40.12	14
21	45.18	52	22.31	5	59.04	13	46.42	25	17.29	16	39.98	14
22	45.70	49	22.26	5	59.17	12	46.17	25	17.13	16	39.84	13
23	46.19	47	22.21	5	59.29	12	45.92	25	16.97	15	39.71	13
24	46.66	47	22.16	7	59.41	10	45.67	27	16.82	16	39.58	11
25	47.13	47	22.09	7	59.51	11	45.40	27	16.66	16	39.47	11
26	47.60	48	22.02	9	59.62	12	45.13	29	16.50	16	39.36	9
27	48.08	50	21.93	10	59.74	11	44.84	31	16.34	17	39.27	10
28	48.58	52	21.83	10	59.85	12	44.53	30	16.17	18	39.17	11
29	49.10	55	21.73	8	59.97	14	44.23	31	15.99	18	39.06	12
30	49.65	57	21.65	8	60.11	14	43.92	30	15.81	19	38.94	15
Okt. 1	50.22	58	21.57	6	60.25	16	43.62	29	15.62	19	38.79	17
2	50.80	59	21.51	3	60.41	16	43.33	26	15.43	18	38.62	18
3	51.39	58	21.48	1	60.57	16	43.07	25	15.25	18	38.44	21
4	51.97	56	21.47	−1	60.73	15	42.82	24	15.07	17	38.23	22
5	52.53	54	21.48	0	60.88	15	42.58	22	14.90	16	38.01	22
6	53.07	52	21.48	1	61.03	14	42.36	21	14.74	14	37.79	20
7	53.59	50	21.49	0	61.17	14	42.15	22	14.60	15	37.59	20
8	54.09	49	21.49	0	61.31	14	41.93	22	14.45	14	37.39	18
9	54.58	49	21.49	3	61.45	13	41.71	25	14.31	16	37.21	17
10	55.07	50	21.46	3	61.58	14	41.46	25	14.15	15	37.04	16
11	55.57	52	21.43	3	61.72	13	41.21	26	14.00	16	36.88	18
12	56.09	54	21.40	4	61.85	15	40.95	27	13.84	18	36.70	17
13	56.63	55	21.36	2	62.00	16	40.68	26	13.66	16	36.53	19
14	57.18	57	21.34	0	62.16	17	40.42	25	13.50	17	36.34	22
15	57.75	58	21.34	2	62.33	18	40.17	23	13.33	16	36.12	24
16	58.33	57	21.36	4	62.51	17	39.94	20	13.17	16	35.88	26
17	58.90	56	21.40	7	62.68	18	39.74	19	13.01	15	35.62	26
18	59.46	54	21.47	8	62.86	17	39.55	16	12.86	15	35.36	27
19	60.00	52	21.55	8	63.03	16	39.39	16	12.71	13	35.09	27
20	60.52	49	21.63	8	63.19	15	39.23	16	12.58	12	34.82	25
21	61.01		21.71		63.34		39.07		12.46		34.57	
O. K.	$+0^s.44 \cos \varphi$				$+0^s.15 \cos \varphi$				$+0^s.16 \cos \varphi$			
U. K.	$-0.44 \cos \varphi$				$-0.15 \cos \varphi$				$-0.16 \cos \varphi$			

Obere Kulmination.

1908	51 Hev. Cephei. $5^m.2$. AR.	Diff.	Dekl.	Diff.	1 Hev. Draconis. $4^m.3$. AR.	Diff.	Dekl.	Diff.	ε Ursae minoris. $4^m.2$. AR.	Diff.	Dekl.	Diff.
	$6^h\ 58^m$		$+87°\ 11'$		$9^h\ 24^m$		$+81°\ 43'$		$16^h\ 55^m$		$+82°\ 11'$	
Okt. 21	$1^s.01$	48	$21''.71$	7	$3^s.34$	15	$39''.07$	16	$12^s.46$	12	$34''.57$	25
22	1.49	48	21.78	6	3.49	14	38.91	17	12.34	13	34.32	23
23	1.97	47	21.84	5	3.63	15	38.74	19	12.21	12	34.09	23
24	2.44	48	21.89	4	3.78	16	38.55	20	12.09	14	33.86	22
25	2.92	51	21.93	3	3.94	16	38.35	21	11.95	14	33.64	22
26	3.43	53	21.96	3	4.10	16	38.14	21	11.81	14	33.42	23
27	3.96	55	21.99	5	4.26	18	37.93	19	11.67	15	33.19	26
28	4.51	56	22.04	8	4.44	18	37.74	19	11.52	14	32.93	28
29	5.07	57	22.12	9	4.62	19	37.55	17	11.38	15	32.65	30
30	5.64	57	22.21	11	4.81	20	37.38	14	11.23	13	32.35	32
31	6.21	54	22.32	14	5.01	20	37.24	13	11.10	12	32.03	32
Nov. 1	6.75	53	22.46	14	5.21	18	37.11	11	10.98	12	31.71	33
2	7.28	50	22.60	14	5.39	18	37.00	9	10.86	11	31.38	32
3	7.78	47	22.74	15	5.57	16	36.91	10	10.75	9	31.06	32
4	8.25	46	22.89	13	5.73	17	36.81	11	10.66	10	30.74	29
5	8.71	44	23.02	11	5.90	17	36.70	12	10.56	10	30.45	28
6	9.15	45	23.13	11	6.07	15	36.58	13	10.46	10	30.17	27
7	9.60	46	23.24	9	6.22	17	36.45	14	10.36	10	29.90	27
8	10.06	48	23.33	10	6.39	17	36.31	15	10.26	12	29.63	27
9	10.54	50	23.43	12	6.56	18	36.16	14	10.14	12	29.36	29
10	11.04	51	23.55	12	6.74	19	36.02	13	10.02	11	29.07	32
11	11.55	51	23.67	15	6.93	19	35.89	11	9.91	11	28.75	34
12	12.06	52	23.82	17	7.12	20	35.78	9	9.80	10	28.41	35
13	12.58	51	23.99	19	7.32	20	35.69	6	9.70	10	28.06	37
14	13.09	47	24.18	21	7.52	19	35.63	4	9.60	8	27.69	37
15	13.56	45	24.39	21	7.71	19	35.59	2	9.52	8	27.32	36
16	14.01	42	24.60	22	7.90	18	35.57	2	9.44	6	26.96	36
17	14.43	41	24.82	20	8.08	16	35.55	2	9.38	6	26.60	35
18	14.84	39	25.02	20	8.24	17	35.53	3	9.32	6	26.25	32
19	15.23	38	25.22	19	8.41	16	35.50	4	9.26	7	25.93	31
20	15.61	39	25.41	17	8.57	16	35.46	5	9.19	6	25.62	31
21	16.00	41	25.58	16	8.73	18	35.41	6	9.13	7	25.31	31
22	16.41	42	25.74	17	8.91	17	35.35	7	9.06	8	25.00	31
23	16.83	44	25.91	17	9.08	19	35.28	7	8.98	8	24.69	33
24	17.27	46	26.08	19	9.27	19	35.21	5	8.90	8	24.36	36
25	17.73	45	26.27	21	9.46	20	35.16	3	8.82	7	24.00	37
26	18.18	46	26.48	24	9.66	19	35.13	0	8.75	7	23.63	39
27	18.64		26.72		9.85		35.13		8.68		23.24	
O. K.	$+ 0^s.44 \cos\varphi$				$+ 0^s.15 \cos\varphi$				$+ 0^s.16 \cos\varphi$			
U. K.	$- 0.44 \cos\varphi$				$- 0.15 \cos\varphi$				$- 0.16 \cos\varphi$			

Obere Kulmination.

1908	51 Hev. Cephei. 5m.2. AR.		Dekl.		1 Hev. Draconis. 4m.3. AR.		Dekl.		ε Ursae minoris. 4m.2. AR.		Dekl.	
	6h 58m		+87° 11′		9h 24m		+81° 43′		16h 55m		+82° 11′	
Nov. 27	18.64	43	26.72	25	9.85	20	35.13	2	8.68	5	23.24	40
28	19.07	42	26.97	27	10.05	19	35.15	4	8.63	5	22.84	40
29	19.49	38	27.24	26	10.24	18	35.19	4	8.58	4	22.44	39
30	19.87	36	27.50	27	10.42	18	35.23	5	8.54	3	22.05	39
Dez. 1	20.23	33	27.77	26	10.60	17	35.28	5	8.51	3	21.66	36
2	20.56	33	28.03	24	10.77	16	35.33	4	8.48	2	21.30	34
3	20.89	31	28.27	24	10.93	17	35.37	2	8.46	2	20.96	34
4	21.20	32	28.51	22	11.10	16	35.39	2	8.44	3	20.62	33
5	21.52	33	28.73	22	11.26	16	35.41	1	8.41	4	20.29	34
6	21.85	35	28.95	22	11.42	17	35.42	2	8.37	3	19.95	34
7	22.20	36	29.17	23	11.59	17	35.44	2	8.34	4	19.61	34
									8.30	3	19.27	37
8	22.56	37	29.40	25	11.76	19	35.46	4	8.27	4	18.90	39
9	22.93	36	29.65	28	11.95	18	35.50	6	8.23	2	18.51	40
10	23.29	34	29.93	29	12.13	19	35.56	9	8.21	0	18.11	41
11	23.63	33	30.22	31	12.32	18	35.65	11	8.21	0	17.70	41
12	23.96	31	30.53	32	12.50	18	35.76	12	8.21	1	17.29	39
13	24.27	27	30.85	33	12.68	17	35.88	13	8.22	3	16.90	39
14	24.54	23	31.18	32	12.85	15	36.01	14	8.25	2	16.51	36
15	24.77	22	31.50	30	13.00	15	36.15	13	8.27	3	16.15	35
16	24.99	21	31.80	29	13.15	15	36.28	12	8.30	2	15.80	33
17	25.20	21	32.09	27	13.30	14	36.40	10	8.32	1	15.47	33
18	25.41	22	32.36	27	13.44	14	36.50	10	8.33	0	15.14	33
19	25.63	23	32.63	26	13.58	15	36.60	9	8.33	1	14.81	34
20	25.86	24	32.89	26	13.73	16	36.69	9	8.34	0	14.47	36
21	26.10	26	33.15	28	13.89	17	36.78	10	8.34	1	14.11	36
22	26.36	27	33.43	30	14.06	17	36.88	12	8.35	2	13.75	39
23	26.63	26	33.73	31	14.23	16	37.00	14	8.37	2	13.36	40
24	26.89	24	34.04	34	14.39	17	37.14	16	8.39	4	12.96	41
25	27.13	23	34.38	34	14.56	17	37.30	18	8.43	4	12.55	39
26	27.36	19	34.72	36	14.73	16	37.48	20	8.47	6	12.16	39
27	27.55	16	35.08	34	14.89	14	37.68	20	8.53	5	11.77	37
28	27.71	14	35.42	34	15.03	13	37.88	19	8.58	6	11.40	34
29	27.85	11	35.76	33	15.16	13	38.07	20	8.64	6	11.06	33
30	27.96	11	36.09	31	15.29	12	38.27	18	8.70	6	10.73	31
31	28.07	10	36.40	29	15.41	13	38.45	17	8.76	6	10.42	31
32	28.17		36.69		15.54		38.62		8.82		10.11	
O. K.	+ 0s.44 cos φ				+ 0s.15 cos φ				+ 0s.16 cos φ			
U. K.	— 0 .44 cos φ				— 0 .15 cos φ				— 0 .16 cos φ			

Obere Kulmination.

1908	δ Ursae minoris. 4m.3. AR.		δ Ursae minoris. Dekl.		λ Ursae minoris. 6m.8. AR.		λ Ursae minoris. Dekl.		76 Draconis. 6m.0. AR.		76 Draconis. Dekl.	
	18h 1m		+86° 36′		19h 12m		+89° 0′		20h 49m		+82° 11′	
Jan. 1	40.43	4	49.90	35	28.25	55	13.40	30	11.76	11	37.03	24
2	40.39	3	49.55	37	27.70	55	13.10	32	11.65	12	36.79	26
3	40.36	2	49.18	39	27.15	54	12.78	34	11.53	12	36.53	27
4	40.34	−2	48.79	38	26.61	50	12.44	36	11.41	12	36.26	28
5	40.36	5	48.41	39	26.11	42	12.08	36	11.29	10	35.98	30
6	40.41	6	48.02	37	25.69	32	11.72	37	11.19	10	35.68	31
7	40.47	8	47.65	36	{25.37 / 25.14	23 / 17	{11.35 / 10.99	36 / 36	11.09	10	35.37	33
8	40.55	10	47.29	34	24.97	10	10.63	34	10.99	8	35.04	31
9	40.65	10	46.95	32	24.87	7	10.29	33	10.91	6	34.73	32
10	40.75	10	46.63	31	24.80	6	9.96	31	10.85	7	34.41	31
11	40.85	8	46.32	30	24.74	9	9.65	30	10.78	6	34.10	29
12	40.93	8	46.02	30	24.65	12	9.35	30	10.72	5	33.81	28
13	41.01	7	45.72	31	24.53	16	9.05	30	10.67	7	33.53	27
14	41.08	7	45.41	32	24.37	17	8.75	32	10.60	7	33.26	26
15	41.15	8	45.09	34	24.20	16	8.43	34	10.53	8	33.00	28
16	41.23	8	44.75	35	24.04	14	8.09	36	10.45	7	32.72	30
17	41.31	10	44.40	37	23.90	8	7.73	37	10.38	8	32.42	33
18	41.41	14	44.03	36	23.82	−1	7.36	37	10.30	7	32.09	34
19	41.55	16	43.67	35	23.83	9	6.99	38	10.23	7	31.75	35
20	41.71	18	43.32	35	23.92	17	6.61	37	10.16	6	31.40	37
21	41.89	19	42.97	33	24.09	23	6.24	36	10.10	4	31.03	36
22	42.08	21	42.64	30	24.32	28	5.88	33	10.06	3	30.67	36
23	42.29	19	42.34	28	24.60	29	5.55	32	10.03	2	30.31	35
24	42.48	19	42.06	28	24.89	28	5.23	31	10.01	2	29.96	33
25	42.67	18	41.78	27	25.17	24	4.92	29	9.99	2	29.63	31
26	42.85	16	41.51	26	25.41	19	4.63	29	9.97	2	29.32	30
27	43.01	15	41.25	28	25.60	15	4.34	29	9.95	3	29.02	29
28	43.16	14	40.97	28	25.75	14	4.05	31	9.92	4	28.73	30
29	43.30	15	40.69	30	25.89	13	3.74	33	9.88	4	28.43	31
30	43.45	18	40.39	32	26.02	17	3.41	34	{9.84 / 9.80	4 / 4	{28.12 / 27.80	32 / 34
31	43.63	20	40.07	32	26.19	24	3.07	35	9.76	3	27.46	35
Febr. 1	43.83	21	39.75	32	26.43	32	2.72	35	9.73	2	27.11	37
2	44.04	24	39.43	31	26.75	42	2.37	35	9.71	2	26.74	37
3	44.28	26	39.12	29	27.17	49	2.02	34	9.69	0	26.37	38
4	44.54	27	38.83	27	27.66	56	1.68	33	9.69	1	25.99	36
5	44.81		38.56		28.22		1.35		9.70		25.63	
O. K.	+ 0s.36 cos φ				+ 1s.23 cos φ				+ 0s.16 cos φ			
U. K.	— 0 .36 cos φ				— 1 .23 cos φ				— 0 .16 cos φ			

Obere Kulmination.

1908	δ Ursae minoris. 4ᵐ.3. AR.		Dekl.		λ Ursae minoris. 6ᵐ.8. AR.		Dekl.		76 Draconis. 6ᵐ.0. AR.		Dekl.	
	$18^h\ 1^m$		+86° 36′		$19^h\ 12^m$		+88° 59′		$20^h\ 49^m$		+82° 11′	
Febr. 5	44.81	28	38.56	25	28.22	60	61.35	30	9.70	2	25.63	35
6	45.09	28	38.31	23	28.82	61	61.05	29	9.72	2	25.28	33
7	45.37	26	38.08	21	29.43	59	60.76	27	9.74	2	24.95	32
8	45.63	26	37.87	21	30.02	56	60.49	26	9.76	2	24.63	30
9	45.89	24	37.66	21	30.58	53	60.23	26	9.78	1	24.33	31
10	46.13	23	37.45	22	31.11	49	59.97	27	9.79	2	24.02	31
11	46.36	24	37.23	23	31.60	49	59.70	28	9.81	1	23.71	31
12	46.60	25	37.00	25	32.09	50	59.42	30	9.82	0	23.40	33
13	46.85	26	36.75	25	32.59	54	59.12	31	9.82	0	23.07	34
14	47.11	29	36.50	26	33.13	61	58.81	32	9.82	2	22.73	36
15	47.40	30	36.24	26	33.74	69	58.49	32	9.84	3	22.37	37
16	47.70	33	35.98	24	34.43	77	58.17	31	9.87	4	22.00	37
17	48.03	34	35.74	22	35.20	85	57.86	29	9.91	5	21.63	37
18	48.37	35	35.52	19	36.05	88	57.57	27	9.96	5	21.26	35
19	48.72	35	35.33	17	36.93	91	57.30	25	10.01	6	20.91	33
20	49.07	33	35.16	15	37.84	90	57.05	24	10.07	7	20.58	31
21	49.40	32	35.01	14	38.74	87	56.81	21	10.14	6	20.27	29
22	49.72	31	34.87	14	39.61	81	56.60	21	10.20	6	19.98	28
23	50.03	28	34.73	14	40.42	76	56.39	21	10.26	5	19.70	29
24	50.31	29	34.59	15	41.18	72	56.18	22	10.31	5	19.41	27
25	50.60	28	34.44	17	41.90	71	55.96	23	10.36	4	19.14	29
26	50.88	29	34.27	17	42.61	72	55.73	24	10.40	4	18.85	30
27	51.17	30	34.10	18	43.33	78	55.49	24	10.44	5	18.55	32
28	51.47	33	33.92	18	44.11	84	55.25	26	10.49	5	18.23	33
29	51.80	35	33.74	17	44.95	92	54.99	26	10.54	7	17.90	33
März 1	52.15	37	33.57	16	45.87	100	54.73	24	10.61	8	17.57	32
2	52.52	38	33.41	13	46.87	106	54.49	22	10.69	8	17.25	32
3	52.90	39	33.28	10	47.93	111	54.27	20	10.77	10	16.93	31
4	53.29	38	33.18	9	49.04	112	54.07	18	10.87	10	16.62	28
5	53.67	37	33.09	6	50.16	110	53.89	16	10.97	9	16.34	27
6	54.04	35	33.03	6	51.26	106	53.73	15	11.06	11	16.07	25
7	54.39	34	32.97	5	52.32	101	53.58	14	11.17	10	15.82	23
8	54.73	33	32.92	6	53.33	97	53.44	14	11.27	9	15.59	24
9	55.06	32	32.86	7	54.30	95	53.30	15	11.36	8	15.35	24
10	55.38	33	32.79	8	55.25	94	53.15	16	11.44	8	15.11	25
11	55.71	33	32.71	9	56.19	96	52.99	18	11.52	9	14.86	27
12	56.04	35	32.62	9	57.15	101	52.81	18	11.61	9	14.59	27
13	56.39		32.53		58.16		52.63		11.70		14.32	
O. K.	+ 0ˢ.36 cos φ				+ 1ˢ.22 cos φ				+ 0ˢ.16 cos φ			
U. K.	− 0 .36 cos φ				− 1 .22 cos φ				− 0 .16 cos φ			

Obere Kulmination.

1908	δ Ursae minoris. 4ᵐ.3.				λ Ursae minoris. 6ᵐ.8.				76 Draconis. 6ᵐ.0.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$18^h\ 1^m$		$+86°\ 36'$		$19^h\ 12^m$		$+88°\ 59'$		$20^h\ 49^m$		$+82°\ 11'$	
März 13	56.39	37	32.53	9	58.16	108	52.63	18	11.70	8	14.32	27
14	56.76	39	32.44	8	59.24	115	52.45	18	11.78	11	14.05	29
15	57.15	40	32.36	6	60.39	122	52.27	17	11.89	12	13.76	28
16	57.55	41	32.30	4	61.61	126	52.10	14	12.01	12	13.48	26
17	57.96	40	32.26	1	62.87	128	51.96	12	12.13	13	13.22	24
18	58.36	40	32.25	— 1	64.15	127	51.84	10	12.26	14	12.98	22
19	58.76	38	32.26	2	65.42	123	51.74	8	12.40	14	12.76	19
20	59.14	36	32.28	3	66.65	118	51.66	6	12.54	13	12.57	18
21	59.50	34	32.31	3	67.83	110	51.60	6	12.67	12	12.39	17
22	59.84	32	32.34	3	68.93	105	51.54	6	12.79	11	12.22	16
23	60.16	31	32.37	2	69.98	102	51.48	7	12.90	12	12.06	17
24	60.47	32	32.39	0	71.00	101	51.41	8	13.02	11	11.89	19
25	60.79	33	32.39	1	72.01	103	51.33	9	13.13	11	11.70	20
26	61.12	34	32.38	1	73.04	108	51.24	10	13.24	11	11.50	20
27	61.46	36	32.37	0	74.12	114	51.14	10	13.35	13	11.30	21
28	61.82	37	32.37	1	75.26	121	51.04	9	13.48	13	11.09	20
29	62.19	39	32.38	3	76.47	127	50.95	7	13.61	13	10.89	19
30	62.58	39	32.41	6	77.74	131	50.88	5	13.74	15	10.70	18
31	62.97	39	32.47	8	79.05	132	50.83	3	13.89	16	10.52	16
April 1	63.36	37	32.55	10	80.37	130	50.80	1	14.05	16	10.36	13
2	63.73	35	32.65	12	81.67	126	50.79	— 2	14.21	15	10.23	11
3	64.08	34	32.77	12	82.93	120	50.81	2	14.36	15	10.12	11
4	64.42	33	32.89	12	84.13	115	50.83	2	14.51	14	10.01	9
5	64.75	31	33.01	11	85.28	109	50.85	2	14.65	13	9.92	9
6	65.06	30	33.12	9	86.37	107	50.87	1	14.78	14	9.83	10
7	65.36	31	33.21	8	87.44	108	50.88	0	14.92	14	9.73	11
8	65.67	31	33.29	8	88.52	109	50.88	2	15.06	13	9.62	13
9	65.98	33	33.37	7	89.61	114	50.86	2	15.19	14	9.49	13
10	66.31	35	33.44	8	90.75	120	50.84	1	15.33	14	9.36	13
11	66.66	36	33.52	10	91.95	127	50.83	0	15.47	16	9.23	13
12	67.02	36	33.62	12	93.22	130	50.83	1	15.63	16	9.10	12
13	67.38	37	33.74	15	94.52	132	50.84	4	15.79	16	8.98	10
14	67.75	36	33.89	17	95.84	131	50.88	6	15.95	17	8.88	7
15	68.11	33	34.06	19	97.15	127	50.94	9	16.12	17	8.81	4
16	68.44	31	34.25	19	98.42	120	51.03	9	16.29	17	8.77	4
17	68.75	28	34.44	19	99.62	112	51.12	11	16.46	16	8.73	1
18	69.03	27	34.63	19	100.74	105	51.23	12	16.62	15	8.72	0
19	69.30		34.82		101.79		51.35		16.77		8.72	
O. K.	+ 0ˢ.36 cos φ				+ 1ˢ.22 cos φ				+ 0ˢ.16 cos φ			
U. K.	— 0 .36 cos φ				— 1 .22 cos φ				— 0 .16 cos φ			

Obere Kulmination.

1908	δ Ursae minoris. $4^m.3$.				λ Ursae minoris. $6^m.8$.				76 Draconis. $6^m.0$.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$18^h\ 2^m$		$+86°\ 36'$		$19^h\ 13^m$		$+88°\ 59'$		$20^h\ 49^m$		$+82°\ 11'$	
April 19	$9^s.30$	25	$34''.82$	18	$41^s.79$	100	$51''.35$	10	$16^s.77$	14	$8''.72$	1
20	9.55	25	35.00	16	42.79	97	51.45	8	16.91	14	8.71	1
21	9.80	25	35.16	15	43.76	96	51.53	8	17.05	14	8.70	2
22	10.05	26	35.31	15	44.72	99	51.61	7	17.19	13	8.68	3
23	10.31	27	35.46	15	45.71	104	51.68	6	17.32	14	8.65	4
24	10.58	29	35.61	16	46.75	109	51.74	8	17.46	15	8.61	5
25	10.87	29	35.77	18	47.84	114	51.82	8	17.61	16	8.56	3
26	11.16	30	35.95	19	48.98	118	51.90	10	17.77	17	8.53	2
27	11.46	30	36.14	22	50.16	119	52.00	13	17.94	17	8.51	1
28	11.76	29	36.36	24	51.35	118	52.13	15	18.11	18	8.52	3
29	12.05	27	36.60	26	52.53	114	52.28	17	18.29	18	8.55	5
30	12.32	25	36.86	26	53.67	106	52.45	18	18.47	17	8.60	6
Mai 1	12.57	22	37.12	25	54.73	98	52.63	18	18.64	15	8.66	8
2	12.79	21	37.37	25	55.71	93	52.81	18	18.79	15	8.74	7
3	13.00	19	37.62	24	56.64	89	52.99	17	18.94	14	8.81	8
4	13.19	20	37.86	22	57.53	86	53.16	16	19.08	13	8.89	6
5	13.39	20	38.08	21	58.39	86	53.32	14	19.21	15	8.95	5
6	13.59	21	38.29	21	59.25	89	53.46	14	19.36	13	9.00	5
7	13.80	22	38.50	21	60.14	94	53.60	14	19.49	15	9.05	4
8	14.02	24	38.71	21	61.08	99	53.74	14	19.64	15	9.09	4
9	14.26	24	38.92	23	62.07	104	53.88	16	19.79	16	9.13	5
10	14.50	24	39.15	26	63.11	105	54.04	18	19.95	17	9.18	6
11	14.74	23	39.41	28	64.16	103	54.22	19	20.12	17	9.24	9
12	14.97	21	39.69	30	65.19	100	54.41	22	20.29	17	9.33	11
13	15.18	19	39.99	31	66.19	93	54.63	24	20.46	16	9.44	13
14	15.37	16	40.30	31	67.12	85	54.87	25	20.62	16	9.57	16
15	15.53	14	40.61	30	67.97	78	55.12	25	20.78	15	9.73	16
16	15.67	12	40.91	29	68.75	69	55.37	24	20.93	13	9.89	16
17	15.79	11	41.20	27	69.44	64	55.61	23	21.06	13	10.05	16
18	15.90	10	41.47	26	70.08	61	55.84	22	21.19	12	10.21	15
19	16.00	11	41.73	25	70.69	62	56.06	21	21.31	12	10.36	13
20	16.11	12	41.98	25	71.31	65	56.27	20	21.43	13	10.49	13
21	16.23	13	42.23	26	71.96	71	56.47	20	21.56	13	10.62	12
22	16.36	14	42.49	26	72.67	75	56.67	21	21.69	14	10.74	13
23	16.50	16	42.75	27	73.42	78	56.88	22	21.83	14	10.87	14
24	16.66	15	43.02	30	74.20	79	57.10	24	21.97	16	11.01	15
25	16.81	14	43.32	32	74.99	78	57.34	26	22.13	15	11.16	18
26	16.95		43.64		75.77		57.60		22.28		11.34	
O. K.	$+0^s.36\cos\varphi$				$+1^s.22\cos\varphi$				$+0^s.16\cos\varphi$			
U. K.	$-0.36\cos\varphi$				$-1.22\cos\varphi$				$-0.16\cos\varphi$			

Obere Kulmination.

1908	δ Ursae minoris. $4^m.3$.				λ Ursae minoris. $6^m.8$.				76 Draconis. $6^m.0$.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$18^h\ 2^m$		$+86°\ 36'$		$19^h\ 14^m$		$+88°\ 59'$		$20^h\ 49^m$		$+82°\ 11'$	
Mai 26	$16^s.95$	12	$43''.64$	33	$15^s.77$	74	$57''.60$	28	$22^s.28$	15	$11''.34$	20
27	17.07	9	43.97	33	16.51	68	57.88	30	22.43	14	11.54	21
28	17.16	8	44.30	34	17.19	60	58.18	30	22.57	14	11.75	22
29	17.24	5	44.64	33	17.79	52	58.48	29	22.71	13	11.97	23
30	17.29	3	44.97	32	18.31	45	58.77	29	22.84	12	12.20	23
31	17.32	4	45.29	30	18.76	42	59.06	27	22.96	12	12.43	22
Juni 1	17.36	3	45.59	28	19.18	40	59.33	26	23.08	10	12.65	21
● 2	17.39	4	45.87	26	19.58	42	59.59	24	23.18	11	12.86	19
3	17.43	5	46.13	27	20.00	47	59.83	24	23.29	11	13.05	19
4	17.48	7	46.40	28	20.47	50	60.07	24	23.40	11	13.24	17
5	17.55	7	46.68	28	20.97	54	60.31	26	23.51	13	13.41	19
6	17.62	7	46.96	30	21.51	57	60.57	26	23.64	13	13.60	21
7	17.69	6	47.26	33	22.08	56	60.83	29	23.77	13	13.81	22
8	17.75	6	47.59	34	22.64	52	61.12	30	23.90	13	14.03	24
9	17.81	3	47.93	34	23.16	46	61.42	33	24.03	13	14.27	27
10	17.84	0	48.27	35	23.62	39	61.75	33	24.16	12	14.54	28
11	17.84	2	48.62	36	24.01	29	62.08	34	24.28	10	14.82	30
12	17.82	5	48.98	34	24.30	20	62.42	33	24.38	9	15.12	29
13	17.77	7	49.32	32	24.50	14	62.75	32	24.47	9	15.41	29
14	17.70	6	49.64	30	24.64	11	63.07	30	24.56	8	15.70	27
15	17.64	7	49.94	29	24.75	9	63.37	28	24.64	7	15.97	27
16	17.57	6	50.23	27	24.84	11	63.65	28	24.71	8	16.24	26
17	17.51	4	50.50	28	24.95	15	63.93	28	24.79	9	16.50	26
18	17.47	3	50.78	28	25.10	19	64.21	27	24.88	9	16.76	24
19	17.44	3	51.06	29	25.29	22	64.48	28	24.97	9	17.00	26
20	17.41	3	51.35	30	25.51	25	64.76	30	25.06	10	17.26	26
21	17.38	4	51.65	33	25.76	24	65.06	31	25.16	10	17.52	28
22	17.34	5	51.98	34	26.00	20	65.37	34	25.26	9	17.80	30
23	17.29	7	52.32	35	26.20	14	65.71	35	25.35	10	18.10	32
24	17.22	10	52.67	35	26.34	7	66.06	35	25.45	9	18.42	34
25	17.12	11	53.02	34	26.41	−1	66.41	36	25.54	8	18.76	35
26	17.01	13	53.36	32	26.40	9	66.77	34	25.62	6	19.11	33
27	16.88	15	53.68	31	26.31	13	67.11	33	25.68	6	19.44	32
28	16.73	14	53.99	28	26.18	16	67.44	31	25.74	6	19.76	31
29	16.59	14	54.27	27	26.02	16	67.75	30	25.80	4	20.07	30
30	16.45	12	54.54	27	25.86	12	68.05	28	25.84	5	20.37	29
Juli 1	16.33	12	54.81	26	25.74	9	68.33	28	25.89	5	20.66	28
2	16.21		55.07		25.65		68.61		25.94		20.94	
O. K.	$+0^s.36 \cos\varphi$				$+1^s.23 \cos\varphi$				$+0^s.16 \cos\varphi$			
U. K.	$-0.36 \cos\varphi$				$-1.23 \cos\varphi$				$-0.16 \cos\varphi$			

Obere Kulmination.

1908	δ Ursae minoris. $4^{m}.3$.				λ Ursae minoris. $6^{m}.8$.				76 Draconis. $6^{m}.0$.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$18^{h}\ 2^{m}$		$+86°\ 36'$		$19^{h}\ 14^{m}$		$+89°\ 0'$		$20^{h}\ 49^{m}$		$+82°\ 11'$	
Juli 2	$16^{s}.21$	10	$55''.07$	27	$25^{s}.65$	5	$8''.61$	28	$25^{s}.94$	6	$20''.94$	28
3	16.11	10	55.34	28	25.60	1	8.89	30	26.00	7	21.22	28
4	16.01	10	55.62	29	25.59	2	9.19	31	26.07	7	21.50	30
5	15.91	12	55.91	32	25.57	4	9.50	33	26.14	7	21.80	32
6	15.79	14	56.23	33	25.53	8	9.83	34	26.21	7	22.12	34
7	15.65	16	56.56	33	25.45	16	10.17	36	26.28	6	22.46	36
8	15.49	19	56.89	33	25.29	25	10.53	36	26.34	5	22.82	37
9	15.30	21	57.22	31	25.04	34	10.89	35	26.39	4	23.19	36
10	15.09	23	57.53	30	24.70	41	11.24	34	26.43	3	23.55	38
11	14.86	23	57.83	28	24.29	47	11.58	33	26.46	1	23.93	36
12	14.63	23	58.11	26	23.82	49	11.91	31	26.47	1	24.29	34
13	14.40	23	58.37	25	23.33	48	12.22	29	26.48	1	24.63	33
14	14.17	22	58.62	23	22.85	46	12.51	29	26.49	1	24.96	32
15	13.95	21	58.85	23	22.39	40	12.80	27	26.50	3	25.28	31
16	13.74	20	59.08	24	21.99	36	13.07	29	26.53	2	25.59	31
17	13.54	19	59.32	26	21.63	34	13.36	29	26.55	3	25.90	33
18	13.35	19	59.58	27	21.29	33	13.65	31	26.58	3	26.23	33
19	13.16	20	59.85	29	20.96	35	13.96	33	26.61	3	26.56	36
20	12.96	22	60.14	30	20.61	41	14.29	35	26.64	2	26.92	36
21	12.74	25	60.44	30	20.20	48	14.64	34	26.66	3	27.28	38
22	12.49	27	60.74	29	19.72	56	14.98	35	26.69	1	27.66	39
23	12.22	29	61.03	27	19.16	62	15.33	33	26.70	0	28.05	39
24	11.93	29	61.30	26	18.54	69	15.66	33	26.70	1	28.44	38
25	11.64	30	61.56	24	17.85	72	15.99	30	26.69	2	28.82	37
26	11.34	30	61.80	21	17.13	73	16.29	29	26.67	2	29.19	35
27	11.04	28	62.01	20	16.40	70	16.58	27	26.65	2	29.54	33
28	10.76	27	62.21	20	15.70	66	16.85	26	26.63	2	29.87	32
29	10.49	26	62.41	20	15.04	62	17.11	26	26.61	1	30.19	31
30	10.23	25	62.61	21	14.42	58	17.37	26	26.60	0	30.50	32
31	9.98	24	62.82	22	13.84	56	17.63	28	26.60	1	30.82	32
Aug. 1	9.74	25	63.04	24	13.28	58	17.91	29	26.59	0	31.14	33
2	9.49	27	63.28	24	12.70	61	18.20	31	26.59	0	31.47	35
3	9.22	30	63.52	25	12.09	68	18.51	32	26.59	1	31.82	38
4	8.92	32	63.77	25	11.41	75	18.83	32	26.58	2	32.20	39
5	8.60	34	64.02	24	10.66	84	19.15	33	26.56	3	32.59	40
6	8.26	36	64.26	23	9.82	93	19.48	31	26.53	4	32.99	38
7	7.90	37	64.49	21	8.89	98	19.79	29	26.49	4	33.37	38
8	7.53		64.70		7.91		20.08		26.45		33.75	
O. K.	$+0^{s}.36\cos\varphi$				$+1^{s}.23\cos\varphi$				$+0^{s}.16\cos\varphi$			
U. K.	$-0.36\cos\varphi$				$-1.23\cos\varphi$				$-0.16\cos\varphi$			

Obere Kulmination.

1908	δ Ursae minoris. $4^m.3$. AR.		Dekl.		λ Ursae minoris. $6^m.8$. AR.		Dekl.		76 Draconis. $6^m.0$. AR.		Dekl.	
	$18^h\ 1^m$		$+86°\ 37'$		$19^h\ 13^m$		$+89°\ 0'$		$20^h\ 49^m$		$+82°\ 11'$	
	s		"		s		"		s		"	
Aug. 8	67.53	37	4.70	18	67.91	101	20.08	28	26.45	6	33.75	37
9	67.16	37	4.88	17	66.90	101	20.36	25	26.39	6	34.12	35
10	66.79	35	5.05	15	65.89	99	20.61	23	26.33	6	34.47	33
11	66.44	34	5.20	14	64.90	95	20.84	24	26.27	6	34.80	32
12	66.10	33	5.34	15	63.95	89	21.08	23	26.21	5	35.12	31
13	65.77	32	5.49	16	63.06	86	21.31	24	26.16	5	35.43	32
14	65.45	31	5.65	18	62.20	83	21.55	25	26.11	5	35.75	33
15	65.14	32	5.83	19	61.37	84	21.80	27	26.06	3	36.08	34
16	64.82	33	6.02	20	60.53	89	22.07	28	26.03	4	36.42	35
17	64.49	36	6.22	20	59.64	94	22.35	29	25.99	5	36.77	37
18	64.13	38	6.42	20	58.70	101	22.64	29	25.94	5	37.14	38
19	63.75	40	6.62	18	57.69	109	22.93	28	25.89	7	37.52	38
20	63.35	40	6.80	16	56.60	115	23.21	27	25.82	8	37.90	37
21	62.95	42	6.96	14	55.45	119	23.48	24	25.74	8	38.27	35
22	62.53	41	7.10	12	54.26	120	23.72	23	25.66	9	38.62	33
23	62.12	39	7.22	11	53.06	118	23.95	20	25.57	9	38.95	33
24	61.73	38	7.33	9	51.88	115	24.15	19	25.48	9	39.28	30
25	61.35	37	7.42	9	50.73	109	24.34	19	25.39	8	39.58	28
26	60.98	36	7.51	10	49.64	105	24.53	19	25.31	8	39.86	29
27	60.62	34	7.61	11	48.59	102	24.72	19	25.23	7	40.15	30
28	60.28	36	7.72	13	47.57	100	24.91	21	25.16	7	40.45	31
29	59.92	36	7.85	13	46.57	102	25.12	23	25.09	7	40.76	32
30	59.56	37	7.98	14	45.55	107	25.35	24	25.02	7	41.08	33
31	59.19	40	8.12	14	44.48	115	25.59	25	24.95	9	41.41	34
Sept. 1	58.79	43	8.26	13	43.33	124	25.84	24	24.86	9	41.75	36
2	58.36	43	8.39	12	42.09	131	26.08	23	24.77	10	42.11	36
3	57.93	45	8.51	8	40.78	136	26.31	21	24.67	11	42.47	34
4	57.48	46	8.59	8	39.42	140	26.52	19	24.56	12	42.81	33
5	57.02	45	8.67	6	38.02	141	26.71	17	24.44	12	43.14	31
6	56.57	44	8.73	4	36.61	139	26.88	16	24.32	13	43.45	29
7	56.13	41	8.77	3	35.22	135	27.04	14	24.19	13	43.74	27
8	55.72	41	8.80	2	33.87	130	27.18	13	24.06	11	44.01	26
9	55.31	40	8.82	4	32.57	124	27.31	14	23.95	11	44.27	26
10	54.91	38	8.86	4	31.33	121	27.45	16	23.84	10	44.53	28
11	54.53	39	8.90	6	30.12	120	27.61	16	23.74	10	44.81	28
12	54.14	39	8.96	8	28.92	121	27.77	18	23.64	11	45.09	29
13	53.75	42	9.04	8	27.71	126	27.95	19	23.53	10	45.38	30
14	53.33		9.12		26.45		28.14		23.43		45.68	
O. K.	$+0^s.36\cos\varphi$				$+1^s.23\cos\varphi$				$+0^s.16\cos\varphi$			
U. K.	$-0.36\cos\varphi$				$-1.23\cos\varphi$				$-0.16\cos\varphi$			

Obere Kulmination.

1908	δ Ursae minoris. $4^m.3$.				λ Ursae minoris. $6^m.8$.				76 Draconis. $6^m.0$.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$18^h\ 1^m$		+86° 37′		$19^h\ 12^m$		+89° 0′		$20^h\ 49^m$		+82° 11′	
Sept. 14	$53^s.33$	43	$9''.12$	7	$86^s.45$	134	$28''.14$	19	$23^s.43$	11	$45''.68$	31
15	52.90	45	9.19	6	85.11	140	28.33	18	23.32	12	45.99	32
16	52.45	46	9.25	5	83.71	145	28.51	17	23.20	13	46.31	31
17	51.99	46	9.30	3	82.26	150	28.68	15	23.07	15	46.62	29
18	51.53	46	9.33	0	80.76	152	28.83	13	22.92	14	46.91	28
19	51.07	45	9.33	2	79.24	149	28.96	11	22.78	15	47.19	25
20	50.62	44	9.31	2	77.75	146	29.07	9	22.63	14	47.44	23
21	50.18	42	9.29	4	76.29	141	29.16	8	22.49	15	47.67	22
22	49.76	40	9.25	4	74.88	136	29.24	7	22.34	14	47.89	21
23	49.36	38	9.21	3	73.52	130	29.31	8	22.20	13	48.10	21
24	48.98	39	9.18	2	72.22	128	29.39	10	22.07	12	48.31	22
25	48.59	39	9.16	0	70.94	128	29.49	10	21.95	13	48.53	23
26	48.20	41	9.16	1	69.66	131	29.59	12	21.82	12	48.76	25
27	47.79	42	9.17	1	68.35	136	29.71	12	21.70	12	49.01	25
28	47.37	44	9.18	1	66.99	143	29.83	13	21.58	14	49.26	27
29	46.93	46	9.19	1	65.56	152	29.96	12	21.44	15	49.53	26
30	46.47	47	9.18	3	64.04	157	30.08	10	21.29	16	49.79	25
Okt. 1	46.00	47	9.15	5	62.47	161	30.18	8	21.13	16	50.04	24
2	45.53	47	9.10	7	60.86	162	30.26	6	20.97	17	50.28	22
3	45.06	46	9.03	10	59.24	160	30.32	4	20.80	17	50.50	20
4	44.60	44	8.93	10	57.64	157	30.36	2	20.63	17	50.70	19
5	44.16	43	8.83	10	56.07	150	30.38	2	20.46	17	50.89	17
6	43.73	40	8.73	10	54.57	145	30.40	1	20.29	16	51.06	16
7	43.33	40	8.63	9	53.12	139	30.41	2	20.13	15	51.22	16
8	42.93	38	8.54	8	51.73	136	30.43	4	19.98	15	51.38	16
9	42.55	39	8.46	7	50.37	136	30.47	4	19.83	14	51.54	18
10	42.16	40	8.39	7	49.01	140	30.51	6	19.69	15	51.72	20
11	41.76	41	8.32	6	47.61	144	30.57	6	19.54	15	51.92	20
12	41.35	43	8.26	6	46.17	150	30.63	6	19.39	15	52.12	20
13	40.92	44	8.20	8	44.67	154	30.69	4	19.24	17	52.32	20
14	40.48	46	8.12	10	43.13	160	30.73	2	19.07	18	52.52	18
15	40.02	45	8.02	13	41.53	162	30.75	0	18.89	19	52.70	17
16	39.57	44	7.89	14	39.91	161	30.75	1	18.70	18	52.87	14
17	39.13	42	7.75	17	38.30	157	30.74	4	18.52	19	53.01	12
18	38.71	40	7.58	18	36.73	152	30.70	5	18.33	17	53.13	11
19	38.31	38	7.40	17	35.21	144	30.65	7	18.16	17	53.24	9
20	37.93	37	7.23	17	33.77	138	30.58	6	17.99	17	53.33	8
21	37.56		7.06		32.39		30.52		17.82		53.41	
O. K.	$+ 0^s.36 \cos\varphi$				$+ 1^s.24 \cos\varphi$				$+ 0^s.16 \cos\varphi$			
U. K.	$- 0\ .36 \cos\varphi$				$- 1\ .24 \cos\varphi$				$- 0\ .16 \cos\varphi$			

Obere Kulmination.

1908	δ Ursae minoris. 4ᵐ.3. AR.		Dekl.		λ Ursae minoris. 6ᵐ.8. AR.		Dekl.		76 Draconis. 6ᵐ.0. AR.		Dekl.	
	$18^h\ 1^m$		+86° 36′		$19^h\ 11^m$		+89° 0′		$20^h\ 49^m$		+82° 11′	
Okt. 21	37.56	35	67.06	16	92.39	134	30.52	5	17.82	15	53.41	8
22	37.21	35	66.90	14	91.05	132	30.47	3	17.67	15	53.49	9
23	36.86	36	66.76	13	89.73	132	30.44	3	17.52	16	53.58	11
24	36.50	37	66.63	13	88.41	137	30.41	2	17.36	15	53.69	13
25	36.13	39	66.50	13	87.04	142	30.39	1	17.21	17	53.82	14
26	35.74	40	66.37	13	85.62	149	30.38	2	17.04	17	53.96	14
27	35.34	42	66.24	16	84.13	155	30.36	3	16.87	19	54.10	13
28	34.92	42	66.08	17	82.58	158	30.33	4	16.68	18	54.23	11
29	34.50	41	65.91	20	81.00	161	30.29	7	16.50	20	54.34	9
30	34.09	41	65.71	21	79.39	159	30.22	10	16.30	19	54.43	7
31	33.68	39	65.50	24	77.80	154	30.12	11	16.11	19	54.50	5
Nov. 1	33.29	36	65.26	24	76.26	148	30.01	13	15.92	19	54.55	3
2	32.93	35	65.02	24	74.78	141	29.88	12	15.73	18	54.58	3
3	32.58	33	64.78	22	73.37	133	29.76	13	15.55	17	54.61	2
4	32.25	31	64.56	22	72.04	130	29.63	11	15.38	17	54.63	2
5	31.94	32	64.34	20	70.74	128	29.52	11	15.21	16	54.65	4
6	31.62	33	64.14	19	69.46	129	29.41	9	15.05	15	54.69	4
7	31.29	33	63.95	19	68.17	131	29.32	8	14.90	17	54.73	5
8	30.96	34	63.76	19	66.86	136	29.24	9	14.73	16	54.78	6
9	30.62	35	63.57	20	65.50	141	29.15	9	14.57	18	54.84	6
10	30.27	37	63.37	22	64.09	145	29.06	11	14.39	19	54.90	4
11	29.90	36	63.15	24	62.64	146	28.95	13	14.20	19	54.94	2
12	29.54	35	62.91	27	61.18	146	28.82	14	14.01	19	54.96	1
13	29.19	33	62.64	28	59.72	142	28.68	18	13.82	18	54.97	−2
14	28.86	31	62.36	29	58.30	137	28.50	19	13.64	19	54.95	3
15	28.55	29	62.07	30	56.93	129	28.31	20	13.45	18	54.92	6
16	28.26	27	61.77	29	55.64	121	28.11	20	13.27	18	54.86	6
17	27.99	25	61.48	29	54.43	115	27.91	19	13.09	16	54.80	7
18	27.74	24	61.19	27	53.28	110	27.72	19	12.93	16	54.73	6
19	27.50	24	60.92	24	52.18	110	27.53	17	12.77	15	54.67	6
20	27.26	25	60.68	25	51.08	111	27.36	16	12.62	15	54.61	4
21	27.01	26	60.43	24	49.97	116	27.20	15	12.47	16	54.57	3
22	26.75	28	60.19	25	48.81	121	27.05	15	12.31	16	54.54	3
23	26.47	29	59.94	26	47.60	126	26.90	17	12.15	17	54.51	3
24	26.18	29	59.68	27	46.34	130	26.73	18	11.98	18	54.48	3
25	25.89	30	59.41	31	45.04	131	26.55	20	11.80	19	54.45	6
26	25.59	28	59.10	32	43.73	130	26.35	22	11.61	19	54.39	8
27	25.31		58.78		42.43		26.13		11.42		54.31	
O. K.	+ 0ˢ.36 cos φ				+ 1ˢ.24 cos φ				+ 0ˢ.16 cos φ			
U. K.	− 0 .36 cos φ				− 1 .24 cos φ				− 0 .16 cos φ			

Obere Kulmination.

1908	δ Ursae minoris. 4m.3.				λ Ursae minoris. 6m.8.				76 Draconis. 6m.0.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	18h 1m		+86° 36′		19h 11m		+89° 0′		20h 49m		+82° 11′	
	s		″		s		″		s		″	
Nov. 27	25.31	26	58.78	34	42.43	126	26.13	24	11.42	18	54.31	10
28	25.05	24	58.44	34	41.17	120	25.89	26	11.24	18	54.21	12
29	24.81	22	58.10	34	39.97	111	25.63	26	11.06	17	54.09	13
30	24.59	20	57.76	34	38.86	104	25.37	26	10.89	16	53.96	13
Dez. 1	24.39	18	57.42	32	37.82	97	25.11	25	10.73	15	53.83	14
2	24.21	17	57.10	30	36.85	93	24.86	24	10.58	15	53.69	13
3	24.04	17	56.80	30	35.92	91	24.62	23	10.43	14	53.56	12
4	23.87	18	56.50	28	35.01	93	24.39	21	10.29	14	53.44	11
5	23.69	19	56.22	28	34.08	97	24.18	21	10.15	15	53.33	10
6	23.50	20	55.94	28	33.11	101	23.97	21	10.00	16	53.23	10
7	23.30	21	55.66	31	32.10	104	23.76	22	9.84	15	53.13	10
8	23.09	21	55.35	32	31.06	105	23.54	25	9.69	16	53.03	12
9	22.88	20	55.03	34	30.01	105	23.29	27	9.53	17	52.91	15
10	22.68	17	54.69	36	28.96	102	23.02	29	9.36	17	52.76	17
11	22.51	16	54.33	38	27.94	96	22.73	30	9.19	16	52.59	19
12	22.35	13	53.95	38	26.98	88	22.43	32	9.03	15	52.40	21
13	22.22	11	53.57	37	26.10	79	22.11	32	8.88	14	52.19	22
14	22.11	8	53.20	36	25.31	70	21.79	31	8.74	13	51.97	22
15	22.03	7	52.84	35	24.61	65	21.48	31	8.61	13	51.75	22
16	21.96	6	52.49	33	23.96	62	21.17	29	8.48	12	51.53	21
17	21.90	8	52.16	32	23.34	62	20.88	27	8.36	11	51.32	19
18	21.82	8	51.84	30	22.72	64	20.61	26	8.25	12	51.13	19
19	21.74	10	51.54	30	22.08	67	20.35	26	8.13	13	50.94	18
20	21.64	10	51.24	31	21.41	73	20.09	26	8.00	13	50.76	17
21	21.54	12	50.93	33	20.68	77	19.83	27	7.87	14	50.59	19
22	{21.42	11	{50.60	35	19.91	78	19.56	30	7.73	13	50.40	20
	{21.31	10	{50.25	37								
23	21.21	9	49.88	38	19.13	77	19.26	31	7.60	15	50.20	22
24	21.12	7	49.50	39	18.36	75	18.95	34	7.45	14	49.98	24
25	21.05	4	49.11	39	17.61	67	18.61	35	7.31	14	49.74	25
26	21.01	1	48.72	38	16.94	59	18.26	36	7.17	13	49.49	27
27	21.00	−1	48.34	37	16.35	50	17.90	34	7.04	11	49.22	27
28	21.01	2	47.97	36	15.85	42	17.56	34	6.93	10	48.95	28
29	21.03	2	47.61	33	15.43	37	17.22	33	6.83	10	48.67	27
30	21.05	2	47.28	32	15.06	33	16.89	32	6.73	10	48.40	26
31	21.07	0	46.96	31	14.73	33	16.57	30	6.63	9	48.14	25
32	21.07		46.65		14.40		16.27		6.54		47.89	
O. K.	+ 0s.36 cos φ				+ 1s.23 cos φ				+ 0s.16 cos φ			
U. K.	— 0 .36 cos φ				— 1 .23 cos φ				— 0 .16 cos φ			

Obere Kulmination.

1908	Octantis 4 G. 6^m.				ζ Octantis. $6^m - 5^m$.				ι Octantis. $6^m - 5^m$.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$1^h 42^m$		$-85° 14'$		$9^h 10^m$		$-85° 17'$		$12^h 45^m$		$-84° 36'$	
Jan. 1	$40^s.78$	28	$31''.11$	3	$28^s.74$	10	$29''.52$	35	$13^s.52$	25	$58''.67$	13
2	40.50	28	31.08	1	28.84	9	29.87	36	13.77	24	58.80	15
3	40.22	26	31.07	3	28.93	7	30.23	33	14.01	23	58.95	13
4	39.96	24	31.04	2	29.00	8	30.56	32	14.24	23	59.08	12
5	39.72	23	31.02	3	29.08	7	30.88	31	14.47	21	59.20	12
6	39.49	25	30.99	1	29.15	9	31.19	31	14.68	22	59.32	11
7	39.24	25	30.98	1	29.24	10	31.50	31	14.90	23	59.43	11
8	38.99	25	30.97	0	29.34	11	31.81	31	15.13	24	59.54	9
9	38.74	25	30.97	1	29.45	11	32.12	34	15.37	25	59.63	11
10	38.49	28	30.98	0	29.56	11	32.46	35	15.62	26	59.74	11
11	38.21	29	30.98	1	29.67	11	32.81	37	15.88	26	59.85	14
12	37.92	30	30.97	2	29.78	9	33.18	38	16.14	27	59.99	16
13	37.62	29	30.95	5	29.87	8	33.56	38	16.41	27	60.15	17
14	37.33	29	30.90	8	29.95	5	33.94	40	16.68	25	60.32	20
15	37.04	29	30.82	10	30.00	5	34.34	38	16.93	23	60.52	20
16	36.75	27	30.72	9	30.05	2	34.72	37	17.16	22	60.72	21
17	36.48	26	30.63	11	30.07	2	35.09	35	17.38	21	60.93	19
18	36.22	24	30.52	10	30.09	2	35.44	34	17.59	20	61.12	20
19	35.98	24	30.42	10	30.11	2	35.78	33	17.79	21	61.32	18
20	35.74	23	30.32	8	30.13	3	36.11	32	18.00	20	61.50	18
21	35.51	24	30.24	8	30.16	4	36.43	34	18.20	22	61.68	17
22	35.27	25	30.16	8	30.20	5	36.77	34	18.42	22	61.85	18
23	35.02	25	30.08	7	30.25	5	37.11	36	18.64	23	62.03	18
24	34.77	28	30.01	8	30.30	4	37.47	37	18.87	24	62.21	19
25	34.49	29	29.93	11	30.34	3	37.84	40	19.11	24	62.40	22
26	34.20	29	29.82	12	30.37	2	38.24	40	19.35	24	62.62	24
27	33.91	29	29.70	15	30.39	0	38.64	41	19.59	23	62.86	27
28	33.62	29	29.55	16	30.39	1	39.05	42	19.82	23	63.13	27
29	33.33	27	29.39	19	30.38	4	39.47	41	20.05	21	63.40	30
30	33.06	26	29.20	19	30.34	4	39.88	38	20.26	20	63.70	29
31	32.80	24	29.01	20	30.30	6	40.26	37	20.46	17	63.99	27
Febr. 1	32.56	23	28.81	19	30.24	6	40.63	35	20.63	18	64.26	28
2	32.33	22	28.62	18	30.18	4	40.98	34	20.81	17	64.54	26
3	32.11	22	28.44	18	30.14	5	41.32	35	20.98	18	64.80	26
4	31.89	23	28.26	16	30.09	2	41.67	34	21.16	18	65.06	24
5	31.66	24	28.10	15	30.07	2	42.01	36	21.34	19	65.30	24
6	31.42	25	27.95	15	30.05	2	42.37	37	21.53	21	65.54	25
7	31.17		27.80		30.03		42.74		21.74		65.79	
O. K.	$+ 0^s.26 \cos \varphi$				$+ 0^s.26 \cos \varphi$				$+ 0^s.23 \cos \varphi$			
U. K.	$- 0.26 \cos \varphi$				$- 0.26 \cos \varphi$				$- 0.23 \cos \varphi$			

Obere Kulmination.

1908	Octantis 4 G. 6ᵐ. AR.		Octantis 4 G. 6ᵐ. Dekl.		ζ Octantis. 6ᵐ–5ᵐ. AR.		ζ Octantis. 6ᵐ–5ᵐ. Dekl.		ι Octantis. 6ᵐ–5ᵐ. AR.		ι Octantis. 6ᵐ–5ᵐ. Dekl.	
	1ʰ 42ᵐ		−85° 14′		9ʰ 10ᵐ		−85° 17′		12ʰ 45ᵐ		−84° 37′	
Febr. 7	31.17ˢ	26	27.80″	17	30.03ˢ	2	42.74″	39	21.74ˢ	21	5.79″	27
8	30.91	27	27.63	18	30.01	4	43.13	40	21.95	22	6.06	28
9	30.64	27	27.45	20	29.97	5	43.53	40	22.17	21	6.34	30
10	30.37	26	27.25	22	29.92	6	43.93	40	22.38	19	6.64	33
11	30.11	26	27.03	24	29.86	9	44.33	40	22.57	18	6.97	32
12	29.85	24	26.79	25	29.77	9	44.73	39	22.75	17	7.29	34
13	29.61	22	26.54	26	29.68	11	45.12	36	22.92	15	7.63	33
14	29.39	21	26.28	27	29.57	11	45.48	35	23.07	15	7.96	33
15	29.18	21	26.01	25	29.46	11	45.83	33	23.22	13	8.29	32
16	28.97	18	25.76	24	29.35	9	46.16	33	23.35	13	8.61	30
17	28.79	19	25.52	22	29.26	10	46.49	32	23.48	14	8.91	29
18	28.60	20	25.30	22	29.16	9	46.81	34	23.62	16	9.20	29
19	28.40	21	25.08	23	29.07	8	47.15	34	23.78	15	9.49	29
20	28.19	22	24.85	22	28.99	7	47.49	36	23.93	17	9.78	30
21	27.97	23	24.63	22	28.92	9	47.85	38	24.10	17	10.08	32
22	27.74	24	24.41	26	28.83	10	48.23	38	24.27	17	10.40	34
23	27.50	24	24.15	27	28.73	11	48.61	40	24.44	17	10.74	36
24	27.26	24	23.88	29	28.62	14	49.01	39	24.61	15	11.10	37
25	27.02	22	23.59	31	28.48	15	49.40	38	24.76	14	11.47	39
26	26.80	20	23.28	33	28.33	17	49.78	37	24.90	12	11.86	39
27	26.60	20	22.95	33	28.16	17	50.15	35	25.02	11	12.25	38
28	26.40	17	22.62	33	27.99	17	50.50	32	25.13	11	12.63	37
29	26.23	16	22.29	31	27.82	18	50.82	32	25.24	9	13.00	37
März 1	26.07	16	21.98	30	27.64	16	51.14	30	25.33	10	13.37	35
2	25.91	16	21.68	29	27.48	14	51.44	31	25.43	10	13.72	33
3	25.75	16	21.39	28	27.34	14	51.75	30	25.53	10	14.05	32
4	25.59	18	21.11	28	27.20	13	52.05	33	25.63	12	14.37	34
5	25.41	18	20.83	27	27.07	13	52.38	33	25.75	12	14.71	33
6	25.23	19	20.56	30	26.94	15	52.71	35	25.87	13	15.04	36
7	25.04	21	20.26	30	26.79	15	53.06	36	26.00	13	15.40	37
8	24.83	19	19.96	32	26.64	17	53.42	35	26.13	11	15.77	38
9	24.64	19	19.64	35	26.47	19	53.77	34	26.24	10	16.15	40
10	24.45	17	19.29	36	26.28	21	54.11	33	26.34	9	16.55	40
11	24.28	16	18.93	36	26.07	22	54.44	32	26.43	7	16.95	41
12	24.12	13	18.57	37	25.85	22	54.76	30	26.50	6	17.36	40
13	23.99	13	18.20	36	25.63	21	55.06	27	26.56	5	17.76	37
14	23.86	11	17.84	35	25.42	21	55.33	27	26.61	4	18.13	37
15	23.75		17.49		25.21		55.60		26.65		18.50	
O. K.	+ 0ˢ.26 cos φ				+ 0ˢ.26 cos φ				+ 0ˢ.23 cos φ			
U. K.	− 0 .26 cos φ				− 0 .26 cos φ				+ 0 .23 cos φ			

Obere Kulmination.

1908	Octantis 4 G. 6^m.				ζ Octantis. 6^m–5^m.				ι Octantis. 6^m–5^m.			
	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ
	1^h 42^m		−85° 14′		9^h 10^m		−85° 17′		12^h 45^m		−84° 37′	
März 15	23.75^s	10	17.49″	32	25.21^s	20	55.60″	25	26.65^s	5	18.50″	35
16	23.65	12	17.17	31	25.01	18	55.85	26	26.70	6	18.85	35
17	23.53	11	16.86	32	24.83	19	56.11	26	26.76	6	19.20	34
18	23.42	13	16.54	31	24.64	18	56.37	29	26.82	7	19.54	34
19	23.29	15	16.23	31	24.46	18	56.66	29	26.89	8	19.88	36
20	23.14	15	15.92	34	24.28	18	56.95	30	26.97	8	20.24	36
21	22.99	14	15.58	35	24.10	21	57.25	31	27.05	8	20.62	40
22	22.85	16	15.23	37	23.89	22	57.56	31	27.13	7	21.02	40
23	22.69	13	14.86	39	23.67	24	57.87	31	27.20	5	21.42	43
24	22.56	12	14.47	39	23.43	26	58.18	29	27.25	4	21.85	42
25	22.44	11	14.08	41	23.17	26	58.47	27	27.29	1	22.27	42
26	22.33	9	13.67	40	22.91	26	58.74	25	27.30	1	22.69	42
27	22.24	7	13.27	40	22.65	26	58.99	22	27.31	0	23.11	39
28	22.17	5	12.87	38	22.39	25	59.21	22	27.31	1	23.50	38
29	22.12	6	12.49	36	22.14	24	59.43	21	27.32	0	23.88	36
30	22.06	5	12.13	35	21.90	23	59.64	21	27.32	1	24.24	36
31	22.01	10	11.78	34	21.67	21	59.85	23	27.33	2	24.60	34
April 1	21.91	9	11.44	35	21.46	22	60.08	23	27.35	2	24.94	35
2	21.82	9	11.09	33	21.24	22	60.31	24	27.37	4	25.29	38
3	21.73	9	10.76	37	21.02	22	60.55	25	27.41	3	25.67	38
4	21.64	10	10.39	37	20.80	24	60.80	26	27.44	2	26.05	39
5	21.54	9	10.02	39	20.56	26	61.06	25	27.46	2	26.44	40
6	21.45	8	9.63	41	20.30	26	61.31	24	27.48	1	26.84	42
7	21.37	5	9.22	41	20.04	29	61.55	21	27.47	1	27.26	41
8	21.32	4	8.81	41	19.75	29	61.76	19	27.46	3	27.67	40
9	21.28	3	8.40	40	19.46	28	61.95	18	27.43	4	28.07	38
10	21.25	1	8.00	39	19.18	28	62.13	16	27.39	5	28.45	37
11	21.24	1	7.61	38	18.90	26	62.29	14	27.34	4	28.82	35
12	21.23	0	7.23	36	18.64	26	62.43	14	27.30	5	29.17	33
13	21.23	1	6.87	35	18.38	25	62.57	15	27.25	3	29.50	34
14	21.22	2	6.52	35	18.13	24	62.72	16	27.22	3	29.84	33
15	21.20	3	6.17	34	17.89	24	62.88	17	27.19	3	30.17	34
16	21.17	5	5.83	35	17.65	24	63.05	19	27.16	1	30.51	36
17	21.12	3	5.48	37	17.41	25	63.24	18	27.15	1	30.87	36
	21.09	5	5.11	39								
18	21.04	3	4.72	41	17.16	26	63.42	20	27.14	3	31.23	38
19	21.01	2	4.31	42	16.90	29	63.62	18	27.11	3	31.61	40
20	20.99		3.89		16.61		63.80		27.08		32.01	
O. K.	+ 0^s.26 cos φ				+ 0^s.26 cos φ				+ 0^s.23 cos φ			
U. K.	− 0 .26 cos φ				− 0 .26 cos φ				− 0 .23 cos φ			

Obere Kulmination.

1908	Octantis 4 G. 6^m.				ζ Octantis. 6^m–5^m.				ι Octantis. 6^m–5^m.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	1^h 42^m		−85° 13′		9^h 10^m		−85° 18′		12^h 45^m		−84° 37′	
April 20	20.99^s	0	63.89″	42	16.61^s	30	3.80″	17	27.08^s	5	32.01″	40
21	20.99	2	63.47	42	16.31	32	3.97	16	27.03	7	32.41	39
22	21.01	3	63.05	41	15.99	30	4.13	12	26.96	8	32.80	40
23	21.04	5	62.64	40	15.69	31	4.25	11	26.88	9	33.20	36
24	21.09	4	62.24	38	15.38	30	4.36	10	26.79	9	33.56	35
25	21.13	5	61.86	36	15.08	28	4.46	8	26.70	9	33.91	34
26	21.18	4	61.50	35	14.80	28	4.54	8	26.61	9	34.25	32
27	21.22	3	61.15	35	14.52	26	4.62	9	26.52	8	34.57	31
28	21.25	1	60.80	34	14.26	25	4.71	9	26.44	6	34.88	31
29	21.26	2	60.46	34	14.01	25	4.80	10	26.38	6	35.19	31
30	21.28	1	60.12	36	13.76	25	4.90	13	26.32	6	35.50	34
Mai 1	21.29	2	59.76	37	13.51	27	5.03	12	26.26	6	35.84	33
2	21.31	4	59.39	40	13.24	27	5.15	12	26.20	7	36.17	35
3	21.35	5	58.99	40	12.97	31	5.27	11	26.13	8	36.52	36
4	21.40	6	58.59	40	12.66	31	5.38	9	26.05	10	36.88	35
5	21.46	8	58.19	40	12.35	32	5.47	7	25.95	11	37.23	35
6	21.54	10	57.79	37	12.03	30	5.54	4	25.84	13	37.58	34
7	21.64	10	57.42	37	11.73	30	5.58	2	25.71	13	37.92	32
8	21.74	11	57.05	34	11.43	30	5.60	1	25.58	14	38.24	29
9	21.85	10	56.71	33	11.13	28	5.61	0	25.44	13	38.53	28
10	21.95	10	56.38	33	10.85	26	5.61	1	25.31	13	38.81	27
11	22.05	8	56.05	30	10.59	25	5.62	1	25.18	12	39.08	26
12	22.13	7	55.75	32	10.34	26	5.63	3	25.06	10	39.34	27
13	22.20	7	55.43	33	10.08	25	5.66	3	24.96	10	39.61	27
14	22.27	7	55.10	35	9.83	26	5.69	5	24.86	11	39.88	28
15	22.34	7	54.75	36	9.57	27	5.74	5	24.75	10	40.16	31
16	22.41	9	54.39	37	9.30	28	5.79	5	24.65	11	40.47	31
17	22.50	10	54.02	38	9.02	30	5.84	3	24.54	12	40.78	32
18	22.60	11	53.64	38	8.72	31	5.87	1	24.42	15	41.10	32
19	22.71	14	53.26	37	8.41	31	5.88	−1	24.27	15	41.42	30
20	22.85	14	52.89	35	8.10	32	5.87	3	24.12	17	41.72	30
21	22.99	16	52.54	34	7.78	30	5.84	4	23.95	16	42.02	28
22	23.15	16	52.20	32	7.48	29	5.80	6	23.79	18	42.30	24
23	23.31	15	51.88	29	7.19	27	5.74	6	23.61	16	42.54	24
24	23.46	14	51.59	29	6.92	26	5.68	6	23.45	16	42.78	22
25	23.60	13	51.30	29	6.66	25	5.62	6	23.29	15	43.00	22
26	23.73	12	51.01	29	6.41	24	5.56	4	23.14	14	43.22	21
27	23.85		50.72		6.17		5.52		23.00		43.43	
O. K.	+ 0^s.26 cos φ				+ 0^s.26 cos φ				+ 0^s.23 cos φ			
U. K.	— 0 .26 cos φ				— 0 .26 cos φ				— 0 .23 cos φ			

Obere Kulmination.

1908		Octantis 4 G. 6ᵐ. AR.		Octantis 4 G. 6ᵐ. Dekl.		ζ Octantis. 6ᵐ – 5ᵐ. AR.		ζ Octantis. 6ᵐ – 5ᵐ. Dekl.		ι Octantis. 6ᵐ – 5ᵐ. AR.		ι Octantis. 6ᵐ – 5ᵐ. Dekl.	
		$1^h\ 42^m$		−85° 13′		$9^h\ 9^m$		−85° 18′		$12^h\ 45^m$		−84° 37′	
Mai	27	23.85ˢ	12	50.72″	29	66.17ˢ	24	5.52″	3	23.00ˢ	14	43.43″	24
	28	23.97	12	50.43	32	65.93	25	5.49	3	22.86	13	43.67	23
	29	24.09	12	50.11	32	65.68	27	5.46	2	22.73	13	43.90	24
	30	24.21	15	49.79	32	65.41	26	5.44	4	22.60	16	44.14	26
	31	24.36	16	49.47	33	65.15	28	5.40	5	22.44	17	44.40	25
Juni	1	24.52	17	49.14	32	64.87	30	5.35	7	22.27	18	44.65	25
	2	24.69	20	48.82	33	64.57	28	5.28	9	22.09	19	44.90	23
	3	24.89	20	48.49	28	64.29	29	5.19	11	21.90	19	45.13	22
	4	25.09	20	48.21	27	64.00	27	5.08	13	21.71	21	45.35	19
	5	25.29	20	47.94	25	63.73	26	4.95	14	21.50	21	45.54	17
	6	25.49	20	47.69	25	63.47	24	4.81	15	21.29	19	45.71	16
	7	25.69	18	47.44	23	63.23	23	4.66	14	21.10	18	45.87	15
	8	25.87	18	47.21	23	63.00	22	4.52	12	20.92	17	46.02	15
	9	26.05	17	46.98	24	62.78	21	4.40	11	20.75	17	46.17	16
	10	26.22	16	46.74	24	62.57	23	4.29	10	20.58	17	46.33	15
	11	26.38	16	46.50	26	62.34	23	4.19	10	20.41	16	46.48	18
	12	26.54	17	46.24	28	62.11	24	4.09	9	20.25	17	46.66	18
	13	26.71	19	45.96	27	61.87	25	4.00	10	20.08	17	46.84	20
	14	26.90	20	45.69	28	61.62	27	3.90	11	19.91	19	47.04	19
	15	27.10	21	45.41	28	61.35	26	3.79	14	19.72	20	47.23	19
	16	27.31	23	45.13	26	61.09	26	3.65	16	19.52	23	47.42	17
	17	27.54	24	44.87	25	60.83	26	3.49	18	19.29	22	47.59	15
	18	27.78	24	44.62	21	60.57	25	3.31	20	19.07	23	47.74	13
	19	28.02	24	44.41	20	60.32	22	3.11	21	18.84	22	47.87	11
	20	28.26	23	44.21	18	60.10	21	2.90	19	18.62	22	47.98	9
	21	28.49	22	44.03	18	59.89	20	2.71	20	18.40	19	48.07	9
	22	28.71	20	43.85	17	59.69	19	2.51	19	18.21	20	48.16	8
	23	28.91	20	43.68	18	59.50	18	2.32	16	18.01	18	48.24	9
	24	29.11	20	43.50	18	59.32	19	2.16	17	17.83	18	48.33	10
	25	29.31	20	43.32	20	59.13	20	1.99	15	17.65	17	48.43	10
	26	29.51	21	43.12	21	58.93	21	1.84	16	17.48	19	48.53	11
	27	29.72	23	42.91	20	58.72	21	1.68	17	17.29	21	48.64	11
	28	29.95	23	42.71	21	58.51	23	1.51	20	17.08	21	48.75	11
	29	30.18	26	42.50	19	58.28	21	1.31	21	16.87	23	48.86	10
	30	30.44	27	42.31	18	58.07	22	1.10	24	16.64	23	48.96	8
Juli	1	30.71	28	42.13	15	57.85	21	0.86	25	16.41	24	49.04	6
	2	30.99	27	41.98	14	57.64	19	0.61	26	16.17	25	49.10	4
	3	31.26		41.84		57.45		0.35		15.92		49.14	
O. K.		+ 0ˢ.26 cos φ				+ 0ˢ.26 cos φ				+ 0ˢ.23 cos φ			
U. K.		— 0 .26 cos φ				— 0 .26 cos φ				— 0 .23 cos φ			

Obere Kulmination.

1908	Octantis 4 G. 6^m. AR.		Dekl.		ζ Octantis. 6^m–5^m. AR.		Dekl.		ι Octantis. 6^m–5^m. AR.		Dekl.	
	1^h 42^m		−85° 13′		9^h 9^m		−85° 17′		12^h 45^m		−84° 37′	
Juli 3	31.26	26	41.84	11	57.45	18	60.35	28	15.92	22	49.14	1
4	31.52	24	41.73	11	57.27	16	60.07	26	15.70	23	49.15	1
5	31.76	25	41.62	10	57.11	15	59.81	25	15.47	21	49.16	0
6	32.01	23	41.52	9	56.96	14	59.56	24	15.26	20	49.16	0
7	32.24	22	41.43	11	56.82	14	59.32	22	15.06	19	49.16	2
8	32.46	22	41.32	12	56.68	13	59.10	21	14.87	19	49.18	1
9	32.68	22	41.20	12	56.55	15	58.89	21	14.68	18	49.19	3
10	32.90	23	41.08	15	56.40	18	58.68	22	14.50	20	49.22	5
11	33.13	25	40.93	14	56.22	17	58.46	23	14.30	21	49.27	4
12	33.38	26	40.79	14	56.05	18	58.23	24	14.09	23	49.31	3
13	33.64	28	40.65	13	55.87	17	57.99	26	13.86	23	49.34	3
14	33.92	28	40.52	9	55.70	17	57.73	27	13.63	24	49.37	0
15	34.20	29	40.43	8	55.53	16	57.46	30	13.39	24	49.37	1
16	34.49	29	40.35	6	55.37	14	57.16	30	13.15	24	49.36	3
17	34.78	27	40.29	3	55.23	13	56.86	31	12.91	24	49.33	6
18	35.05	26	40.26	4	55.10	11	56.55	30	12.67	21	49.27	7
19	35.31	25	40.22	3	54.99	10	56.25	29	12.46	20	49.20	7
20	35.56	23	40.19	2	54.89	8	55.96	27	12.26	20	49.13	7
21	35.79	23	40.17	3	54.81	9	55.69	26	12.06	18	49.06	7
22	36.02	23	40.14	4	54.72	9	55.43	25	11.88	18	48.99	5
23	36.25	24	40.10	4	54.63	11	55.18	26	11.70	19	48.94	4
24	36.49	25	40.06	6	54.52	10	54.92	25	11.51	20	48.90	4
25	36.74	26	40.00	6	54.42	11	54.67	27	11.31	21	48.86	4
26	37.00	27	39.94	4	54.31	13	54.40	30	11.10	21	48.82	5
27	37.27	29	39.90	2	54.18	12	54.10	31	10.89	23	48.77	7
28	37.56	29	39.88	2	54.06	10	53.79	33	10.66	23	48.70	9
29	37.85	28	39.86	−1	53.96	9	53.46	34	10.43	24	48.61	11
30	38.13	29	39.87	4	53.87	7	53.12	34	10.19	22	48.50	13
31	38.42	27	39.91	6	53.80	6	52.78	35	9.97	21	48.37	15
Aug. 1	38.69	26	39.97	6	53.74	3	52.43	33	9.76	20	48.22	15
2	38.95	25	40.03	6	53.71	3	52.10	32	9.56	19	48.07	14
3	39.20	23	40.09	7	53.68	3	51.78	30	9.37	18	47.93	16
4	39.43	22	40.16	5	53.65	2	51.48	29	9.19	17	47.77	14
5	39.65	23	40.21	3	53.63	4	51.19	27	9.02	17	47.63	13
6	39.88	23	40.24	2	53.59	4	50.92	27	8.85	17	47.50	11
7	40.11	24	40.26	2	{ 53.55	6	{ 50.65	29	8.68	18	47.39	10
					{ 53.49	5	{ 50.36	29				
8	40.35		40.28		53.44		50.07		8.50		47.29	
O. K.	+ 0^s.26 cos φ				+ 0^s.26 cos φ				+ 0^s.23 cos φ			
U. K.	— 0 .26 cos φ				— 0 .26 cos φ				— 0 .23 cos φ			

Obere Kulmination.

1908	Octantis 4 G. 6ᵐ. AR.		Dekl.		ζ Octantis. 6ᵐ–5ᵐ. AR.		Dekl.		ι Octantis. 6ᵐ–5ᵐ. AR.		Dekl.	
	$1^h\ 42^m$		$-85°\ 13'$		$9^h\ 9^m$		$-85°\ 17'$		$12^h\ 45^m$		$-84°\ 37'$	
Aug. 8	40.35	25	40.28	2	53.44	7	50.07	30	8.50	20	47.29	11
9	40.60	27	40.30	3	53.37	5	49.77	32	8.30	20	47.18	13
10	40.87	27	40.33	5	53.32	5	49.45	34	8.10	20	47.05	13
11	41.14	28	40.38	7	53.27	2	49.11	34	7.90	21	46.92	15
12	41.42	28	40.45	9	53.25	1	48.77	35	7.69	20	46.77	18
13	41.70	26	40.54	11	53.24	0	48.42	34	7.49	20	46.59	19
14	41.96	24	40.65	13	53.24	3	48.08	34	7.29	19	46.40	21
15	42.20	24	40.78	15	53.27	4	47.74	31	7.10	16	46.19	21
16	42.44	22	40.93	14	53.31	3	47.43	30	6.94	16	45.98	22
17	42.66	21	41.07	12	53.34	3	47.13	29	6.78	14	45.76	20
18	42.87	20	41.19	13	53.37	3	46.84	28	6.64	14	45.56	20
19	43.07	20	41.32	11	53.40	2	46.56	29	6.50	15	45.36	19
20	43.27	21	41.43	11	53.42	1	46.27	29	6.35	14	45.17	18
21	43.48	23	41.54	10	53.43	1	45.98	29	6.21	16	44.99	18
22	43.71	23	41.64	10	53.44	1	45.69	32	6.05	16	44.81	18
23	43.94	24	41.74	13	53.45	1	45.37	33	5.89	17	44.63	20
24	44.18	25	41.87	14	53.46	4	45.04	35	5.72	18	44.43	22
25	44.43	25	42.01	16	53.50	4	44.69	35	5.54	18	44.21	23
26	44.68	25	42.17	18	53.54	7	44.34	35	5.36	16	43.98	26
27	44.93	23	42.35	21	53.61	9	43.99	34	5.20	16	43.72	26
28	45.16	21	42.56	22	53.70	10	43.65	33	5.04	14	43.46	28
29	45.37	21	42.78	22	53.80	10	43.32	30	4.90	14	43.18	28
30	45.58	18	43.00	21	53.90	10	43.02	28	4.76	11	42.90	28
31	45.76	17	43.21	20	54.00	10	42.74	27	4.65	10	42.62	26
Sept. 1	45.93	17	43.41	19	54.10	9	42.47	26	4.55	9	42.36	25
2	46.10	18	43.60	18	54.19	8	42.21	26	4.46	10	42.11	24
3	46.28	17	43.78	17	54.27	7	41.95	26	4.36	10	41.87	23
4	46.45	19	43.95	17	54.34	7	41.69	28	4.26	12	41.64	22
5	46.64	20	44.12	17	54.41	6	41.41	29	4.14	12	41.42	23
6	46.84	20	44.29	18	54.47	8	41.12	31	4.02	13	41.19	24
7	47.04	21	44.47	20	54.55	9	40.81	31	3.89	14	40.95	25
8	47.25	21	44.67	23	54.64	12	40.50	31	3.75	13	40.70	27
9	47.46	19	44.90	25	54.76	13	40.19	31	3.62	12	40.43	30
10	47.65	18	45.15	25	54.89	14	39.88	30	3.50	10	40.13	31
11	47.83	16	45.40	28	55.03	16	39.58	28	3.40	9	39.82	31
12	47.99	14	45.68	27	55.19	16	39.30	26	3.31	6	39.51	31
13	48.13		45.95		55.35		39.04		3.25		39.20	
O. K.	$+0^s.26\cos\varphi$				$+0^s.26\cos\varphi$				$+0^s.23\cos\varphi$			
U. K.	$-0.26\cos\varphi$				$-0.26\cos\varphi$				$-0.23\cos\varphi$			

Obere Kulmination.

1908	Octantis 4 G. 6ᵐ. AR.		Dekl.		ζ Octantis. 6ᵐ–5ᵐ. AR.		Dekl.		ι Octantis. 6ᵐ–5ᵐ. AR.		Dekl.	
	1ʰ 42ᵐ		−85° 13′		9ʰ 9ᵐ		−85° 17′		12ʰ 45ᵐ		−83° 37′	
Sept. 13	48.13	13	45.95	27	55.35	17	39.04	25	3.25	6	39.20	31
14	48.26	12	46.22	26	55.52	15	38.79	21	3.19	6	38.89	30
15	48.38	12	46.48	24	55.67	14	38.58	23	3.13	5	38.59	28
16	48.50	13	46.72	24	55.81	14	38.35	23	3.08	5	38.31	26
17	48.63	13	46.96	23	55.95	13	38.12	24	3.03	6	38.05	26
18	48.76	14	47.19	23	56.08	13	37.88	24	2.97	6	37.79	27
19	48.90	15	47.42	23	56.21	13	37.64	26	2.91	7	37.52	27
20	49.05	16	47.65	25	56.34	15	37.38	27	2.84	8	37.25	29
21	49.21	16	47.90	27	56.49	16	37.11	28	2.76	8	36.96	30
22	49.37	15	48.17	29	56.65	18	36.83	28	2.68	6	36.66	31
23	49.52	13	48.46	31	56.83	20	36.55	26	2.62	6	36.35	34
24	49.65	12	48.77	32	57.03	21	36.29	24	2.56	5	36.01	34
25	49.77	10	49.09	33	57.24	21	36.05	23	2.51	3	35.67	35
26	49.87	8	49.42	32	57.45	22	35.82	21	2.48	1	35.32	34
27	49.95	8	49.74	31	57.67	21	35.61	18	2.47	1	34.98	32
28	50.03	6	50.05	29	57.88	21	35.43	16	2.46	0	34.66	31
29	50.09	6	50.34	29	58.09	20	35.27	16	2.46	1	34.35	29
30	50.15	7	50.63	27	58.29	18	35.11	17	2.47	1	34.06	28
Okt. 1	50.22	7	50.90	27	58.47	17	34.94	17	2.48	1	33.78	28
2	50.29	7	51.17	25	58.64	18	34.77	19	2.49	−1	33.50	27
3	50.36	9	51.42	27	58.82	18	34.58	19	2.48	1	33.23	26
4	50.45	9	51.69	27	59.00	18	34.39	21	2.47	1	32.97	29
5	50.54	10	51.96	31	59.18	20	34.18	20	2.46	1	32.68	30
									2.45	2	32.38	32
6	50.64	7	52.27	32	59.38	22	33.98	19	2.43	0	32.06	32
7	50.71	7	52.59	33	59.60	24	33.79	19	2.43	3	31.74	35
8	50.78	5	52.92	34	59.84	24	33.60	16	2.46	4	31.39	34
9	50.83	3	53.26	35	60.08	26	33.44	14	2.50	5	31.05	33
10	50.86	1	53.61	33	60.34	26	33.30	12	2.55	7	30.72	31
11	50.87	0	53.94	33	60.60	25	33.18	11	2.62	6	30.41	30
12	50.87	0	54.27	30	60.85	24	33.07	9	2.68	8	30.11	28
13	50.87	1	54.57	30	61.09	24	32.98	10	2.76	6	29.83	27
14	50.86	−1	54.87	29	61.33	22	32.88	9	2.82	6	29.56	27
15	50.87	1	55.16	29	61.55	21	32.79	11	2.88	5	29.29	27
16	50.88	2	55.45	29	61.76	21	32.68	12	2.93	4	29.02	27
17	50.90	2	55.74	28	61.97	22	32.56	13	2.97	5	28.75	28
18	50.92	3	56.02	31	62.19	24	32.43	14	3.02	5	28.47	30
19	50.95		56.33		62.43		32.29		3.07		28.17	
O. K.	+ 0ˢ.26 cos φ				+ 0ˢ.26 cos φ				+ 0ˢ.23 cos φ			
U. K.	— 0 .26 cos φ				— 0 .26 cos φ				— 0 .23 cos φ			

Obere Kulmination.

1908	Octantis 4 G. 6^m. AR.		Dekl.		ζ Octantis. 6^m-5^m. AR.		Dekl.		ι Octantis. 6^m-5^m. AR.		Dekl.	
	$1^h\ 42^m$		$-85°\ 13'$		$9^h\ 10^m$		$-85°\ 17'$		$12^h\ 45^m$		$-84°\ 37'$	
Okt. 19	50.95	2	56.33	32	2.43	24	32.29	13	3.07	5	28.17	32
20	50.97	2	56.65	34	2.67	27	32.16	12	3.12	7	27.85	33
21	50.99	— 1	56.99	36	2.94	27	32.04	11	3.19	8	27.52	32
22	50.98	2	57.35	35	3.21	28	31.93	8	3.27	10	27.20	32
23	50.96	4	57.70	34	3.49	29	31.85	5	3.37	11	26.88	30
24	50.92	5	58.04	34	3.78	28	31.80	4	3.48	13	26.58	29
25	50.87	7	58.38	34	4.06	28	31.76	2	3.61	12	26.29	27
26	50.80	8	58.72	30	4.34	25	31.74	0	3.73	13	26.02	25
27	50.72	8	59.02	28	4.59	25	31.74	0	3.86	13	25.77	23
28	50.64	6	59.30	28	4.84	23	31.74	2	3.99	12	25.54	22
29	50.58	6	59.58	27	5.07	23	31.72	2	4.11	10	25.32	23
30	50.52	6	59.85	27	5.30	23	31.70	3	4.21	11	25.09	22
31	50.46	4	60.12	27	5.53	23	31.67	3	4.32	11	24.87	24
Nov. 1	50.42	5	60.39	29	5.76	24	31.64	4	4.43	10	24.63	25
2	50.37	5	60.68	30	6.00	26	31.60	3	4.53	11	24.38	27
3	50.32	6	60.98	32	6.26	27	31.57	2	4.64	13	24.11	26
4	50.26	8	61.30	33	6.53	28	31.55	1	4.77	14	23.85	28
5	50.18	9	61.63	32	6.81	29	31.54	— 2	4.91	17	23.57	26
6	50.09	11	61.95	32	7.10	30	31.56	5	5.08	17	23.31	25
7	49.98	13	62.27	31	7.40	29	31.61	7	5.25	18	23.06	23
8	49.85	14	62.58	29	7.69	27	31.68	7	5.43	19	22.83	20
9	49.71	14	62.87	27	7.96	26	31.75	8	5.62	18	22.63	20
10	49.57	13	63.14	25	8.22	25	31.83	8	5.80	17	22.43	18
11	49.44	13	63.39	25	8.47	23	31.91	8	5.97	17	22.25	17
12	49.31	11	63.64	25	8.70	23	31.99	6	6.14	15	22.08	18
13	49.20	11	63.89	24	8.93	24	32.05	6	6.29	15	21.90	18
14	49.09	10	64.13	25	9.17	24	32.11	4	6.44	15	21.72	21
15	48.99	11	64.38	27	9.41	25	32.15	4	6.59	16	21.51	21
16	48.88	11	64.65	28	9.66	26	32.19	5	6.75	17	21.30	21
17	48.77	12	64.93	29	9.92	28	32.24	6	6.92	19	21.09	22
18	48.65	15	65.22	29	10.20	28	32.30	8	7.11	19	20.87	21
19	48.50	15	65.51	29	10.48	28	32.38	11	7.30	21	20.66	20
20	48.35	18	65.80	28	10.76	28	32.49	14	7.51	23	20.46	19
21	48.17	19	66.08	26	11.04	26	32.63	16	7.74	22	20.27	15
22	47.98	19	66.34	24	11.30	27	32.79	17	7.96	23	20.12	14
23	47.79	20	66.58	22	11.57	25	32.96	17	8.19	21	19.98	11
24	47.59	19	66.80	19	11.82	23	33.13	18	8.40	22	19.87	10
25	47.40		66.99		12.05		33.31		8.62		19.77	
O. K.	$+0^s.26 \cos\varphi$				$+0^s.26 \cos\varphi$				$+0^s.23 \cos\varphi$			
U. K.	$-0.26 \cos\varphi$				$-0.26 \cos\varphi$				$-0.23 \cos\varphi$			

Obere Kulmination.

1908	Octantis 4 G. 6m. AR.		Octantis 4 G. 6m. Dekl.		ζ Octantis. 6m–5m. AR.		ζ Octantis. 6m–5m. Dekl.		ι Octantis. 6m–5m. AR.		ι Octantis. 6m–5m. Dekl.	
	1h 42m		−85° 14′		9h 10m		−85° 17′		12h 45m		−84° 37′	
Nov. 25	47.40 s	18	6.99 ″	18	12.05 s	21	33.31 ″	15	8.62 s	20	19.77 ″	10
26	47.22	17	7.17	19	12.26	20	33.46	15	8.82	19	19.67	10
27	47.05	17	7.36	18	12.46	21	33.61	14	9.01	20	19.57	10
28	46.88	16	7.54	20	12.67	22	33.75	14	9.21	19	19.47	12
29	46.72	17	7.74	20	12.89	22	33.89	15	9.40	20	19.35	12
30	46.55	16	7.94	22	13.11	24	34.04	15	9.60	21	19.23	13
Dez. 1	46.39	19	8.16	22	13.35	24	34.19	17	9.81	21	19.10	13
2	46.20	20	8.38	22	13.59	26	34.36	19	10.02	23	18.97	12
3	46.00	21	8.60	22	13.85	25	34.55	20	10.25	25	18.85	12
4	45.79	24	8.82	21	14.10	24	34.75	22	10.50	26	18.73	9
5	45.55	24	9.03	19	14.34	24	34.97	24	10.76	26	18.64	6
6	45.31	24	9.22	16	14.58	21	35.21	25	11.02	25	18.58	5
7	45.07	24	9.38	15	14.79	20	35.46	25	11.27	25	18.53	4
8	44.83	23	9.53	13	14.99	20	35.71	24	11.52	24	18.49	2
9	44.60	22	9.66	12	15.19	17	35.95	24	11.76	23	18.47	2
10	44.38	22	9.78	12	15.36	18	36.19	23	11.99	22	18.45	3
11	44.16	20	9.90	12	15.54	17	36.42	21	12.21	21	18.42	3
12	43.96	20	10.02	13	15.71	19	36.63	20	12.42	21	18.39	5
13	43.76	20	10.15	15	15.90	19	36.83	21	12.63	22	18.34	5
14	43.56	20	10.30	16	16.09	21	37.04	22	12.85	23	18.29	6
15	43.36	23	10.46	15	16.30	22	37.26	23	13.08	24	18.23	6
16	43.13	24	10.61	16	16.52	21	37.49	25	13.32	26	18.17	3
17	42.89	25	10.77	14	16.73	21	37.74	28	13.58	27	18.14	3
18	42.64	27	10.91	13	16.94	21	38.02	30	13.85	27	18.11	0
19	42.37	28	11.04	10	17.15	18	38.32	31	14.12	28	18.11	3
20	42.09	28	11.14	9	17.33	17	38.63	32	14.40	27	18.14	4
21	41.81	27	11.23	5	17.50	15	38.95	32	14.67	26	18.18	6
22	41.54	26	11.28	4	17.65	13	39.27	31	14.93	24	18.24	7
23	41.28	25	11.32	3	17.78	13	39.58	30	15.17	24	18.31	8
24	41.03	24	11.35	4	17.91	11	39.88	29	15.41	23	18.39	6
25	40.79	23	11.39	3	18.02	12	40.17	27	15.64	21	18.45	7
26	40.56	23	11.42	5	18.14	12	40.44	28	15.85	23	18.52	6
27	40.33	23	11.47	6	18.26	14	40.72	28	16.08	23	18.58	4
28	40.10	24	11.53	6	18.40	16	41.00	28	16.31	24	18.62	4
29	39.86	26	11.59	6	18.56	15	41.28	31	16.55	26	18.66	5
30	39.60	26	11.65	6	18.71	16	41.59	32	16.81	26	18.71	6
31	39.34	28	11.71	5	18.87	15	41.91	34	17.07	28	18.77	8
32	39.06		11.76		19.02		42.25		17.35		18.85	
O. K.	+ 0s.26 cos φ				+ 0s.26 cos φ				+ 0s.23 cos φ			
U. K.	− 0 .26 cos φ				− 0 .26 cos φ				− 0 .23 cos φ			

Obere Kulmination.

1908	Octantis 20 G. 7^m.				Octantis 26 G. 6^m-7^m.				γ Octantis. 6^m.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$14^h\ 41^m$		$-87°\ 46'$		$16^h\ 26^m$		$-86°\ 11'$		$18^h\ 0^m$		$-87°\ 39'$	
	s		″		s		″		s		″	
Jan. 1	56.59	62	9.37	6	2.94	31	31.37	20	5.91	31	47.32	31
2	57.21	61	9.31	4	3.25	30	31.17	19	6.22	32	47.01	29
3	57.82	57	9.27	5	3.55	28	30.98	17	6.54	31	46.72	26
4	58.39	55	9.22	3	3.83	27	30.81	17	6.85	28	46.46	27
5	58.94	54	9.19	4	4.10	28	30.64	17	7.13	28	46.19	26
6	59.48	53	9.15	5	4.38	26	30.47	18	7.41	26	45.93	26
7	60.01	53	9.10	7	4.64	26	30.29	19	7.67	24	45.67	27
8	60.54	56	9.03	7	4.90	26	30.10	20	7.91	25	45.40	30
9	61.10	60	8.96	8	5.16	28	29.90	21	8.16	27	45.10	31
10	61.70	61	8.88	7	5.44	30	29.69	22	8.43	30	44.79	32
11	62.31	66	8.81	6	5.74	32	29.47	22	8.73	33	44.47	32
12	62.97	66	8.75	5	6.06	34	29.25	20	9.06	36	44.15	32
13	63.63	68	8.70	3	6.40	35	29.05	19	9.42	38	43.83	31
14	64.31	66	8.67	1	6.75	35	28.86	16	9.80	41	43.52	28
15	64.97	65	8.66 —	2	7.10	35	28.70	14	10.21	42	43.24	26
16	65.62	62	8.68	4	7.45	34	28.56	12	10.63	42	42.98	25
17	66.24	59	8.72	4	7.79	33	28.44	11	11.05	41	42.73	22
18	66.83	57	8.76	3	8.12	31	28.33	11	11.46	39	42.51	23
19	67.40	55	8.79	3	8.43	31	28.22	11	11.85	37	42.28	22
20	67.95	56	8.82	2	8.74	30	28.11	12	12.22	36	42.06	23
21	68.51	56	8.84	0	9.04	31	27.99	14	12.58	35	41.83	24
22	69.07	59	8.84	0	9.35	31	27.85	14	12.93	37	41.59	26
23	69.66	63	8.84	0	9.66	34	27.71	16	13.30	39	41.33	28
24	70.29	65	8.84	1	10.00	35	27.55	14	13.69	42	41.05	27
25	70.94	69	8.85	2	10.35	38	27.41	15	14.11	45	40.78	28
26	71.63	68	8.87	5	10.73	39	27.26	13	14.56	49	40.50	27
27	72.31	70	8.92	7	11.12	40	27.13	10	15.05	53	40.23	25
28	73.01	68	8.99	9	11.52	39	27.03	8	15.58	54	39.98	24
29	73.69	66	9.08	12	11.91	40	26.95	7	16.12	54	39.74	21
30	74.35	64	9.20	12	12.31	39	26.88	4	16.66	54	39.53	19
31	74.99	59	9.32	13	12.70	37	26.84	4	17.20	53	39.34	18
Febr. 1	75.58	59	9.45	12	13.07	36	26.80	3	17.73	50	39.16	17
2	76.17	56	9.57	11	13.43	34	26.77	5	18.23	49	38.99	18
3	76.73	56	9.68	10	13.77	34	26.72	5	18.72	46	38.81	18
4	77.29	57	9.78	9	14.11	35	26.67	7	19.18	46	38.63	19
5	77.86	61	9.87	8	14.46	35	26.60	7	19.64	47	38.44	22
6	78.47	62	9.95	8	14.81	37	26.53	8	20.11	49	38.22	22
7	79.09		10.03		15.18		26.45		20.60		38.00	
O. K.	$+0^s.55 \cos\varphi$				$+0^s.32 \cos\varphi$				$+0^s.52 \cos\varphi$			
U. K.	$-0.55 \cos\varphi$				$-0.32 \cos\varphi$				$-0.52 \cos\varphi$			

Obere Kulmination.

1908	Octantis 20 G. 7^m.				Octantis 26 G. 6^m-7^m.				χ Octantis. 6^m.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$14^h\ 42^m$		$-87°\ 46'$		$16^h\ 26^m$		$-86°\ 11'$		$18^h\ 0^m$		$-87°\ 37'$	
Febr. 7	19.09	66	10.03	9	15.18	39	26.45	7	20.60	52	38.00	21
8	19.75	66	10.12	10	15.57	40	26.38	8	21.12	55	37.79	22
9	20.41	67	10.22	13	15.97	42	26.30	5	21.67	57	37.57	22
10	21.08	67	10.35	15	16.39	41	26.25	3	22.24	59	37.35	18
11	21.75	65	10.50	17	16.80	42	26.22	1	22.83	62	37.17	18
12	22.40	61	10.67	18	17.22	41	26.21	2	23.45	60	36.99	15
13	23.01	59	10.85	19	17.63	39	26.23	2	24.05	59	36.84	13
14	23.60	55	11.04	19	18.02	37	26.25	4	24.64	57	36.71	12
15	24.15	53	11.23	18	18.39	36	26.29	3	25.21	56	36.59	11
16	24.68	53	11.41	17	18.75	35	26.32	2	25.77	53	36.48	12
17	25.21	52	11.58	16	19.10	35	26.34	1	26.30	52	36.36	12
18	25.73	55	11.74	16	19.45	36	26.35	0	26.82	53	36.24	15
19	26.28	56	11.90	15	19.81	36	26.35	1	27.35	53	36.09	14
20	26.84	59	12.05	15	20.17	38	26.34	1	27.88	55	35.95	17
21	27.43	62	12.20	16	20.55	40	26.33	1	28.43	60	35.78	16
22	28.05	63	12.36	18	20.95	43	26.32	— 1	29.03	62	35.62	15
23	28.68	64	12.54	20	21.38	43	26.33	3	29.65	64	35.47	13
24	29.32	63	12.74	23	21.81	43	26.36	5	30.29	68	35.34	14
25	29.95	60	12.97	24	22.24	42	26.41	7	30.97	67	35.20	10
26	30.55	57	13.21	26	22.66	42	26.48	9	31.64	68	35.10	8
27	31.12	53	13.47	27	23.08	40	26.57	10	32.32	67	35.02	6
28	31.65	51	13.74	26	23.48	37	26.67	11	32.99	63	34.96	5
29	32.16	49	14.00	25	23.85	38	26.78	10	33.62	61	34.91	5
März 1	32.65	48	14.25	24	24.23	36	26.88	10	34.23	58	34.86	6
2	33.13	48	14.49	23	24.59	36	26.98	8	34.81	58	34.80	7
3	33.61	50	14.72	21	24.95	36	27.06	7	35.39	58	34.73	7
4	34.11	52	14.93	21	25.31	37	27.13	6	35.97	58	34.66	9
5	34.63	53	15.14	21	25.68	38	27.19	6	36.55	61	34.57	10
6	35.16	56	15.35	24	26.06	40	27.25	6	37.16	63	34.47	10
7	35.72	57	15.59	25	26.46	41	27.31	9	37.79	66	34.37	8
8	36.29	56	15.84	26	26.87	41	27.40	9	38.45	68	34.29	8
9	36.85	54	16.10	28	27.28	40	27.49	13	39.13	68	34.21	5
10	37.39	51	16.38	30	27.68	41	27.62	14	39.81	69	34.16	3
11	37.90	48	16.68	31	28.09	39	27.76	15	40.50	67	34.13	0
12	38.38	44	16.99	29	28.48	37	27.91	16	41.17	66	34.13	1
13	38.82	41	17.28	31	28.85	35	28.07	17	41.83	62	34.14	1
14	39.23	39	17.59	29	29.20	33	28.24	16	42.45	60	34.15	2
15	39.62		17.88		29.53		28.40		43.05		34.17	
O. K.	$+0^s.55 \cos\varphi$				$+0^s.32 \cos\varphi$				$+0^s.52 \cos\varphi$			
U. K.	$-0.55 \cos\varphi$				$-0.32 \cos\varphi$				$-0.52 \cos\varphi$			

Obere Kulmination.

1908	Octantis 20 G. 7ᵐ. AR.	Diff.	Octantis 20 G. 7ᵐ. Dekl.	Diff.	Octantis 26 G. 6ᵐ–7ᵐ. AR.	Diff.	Octantis 26 G. 6ᵐ–7ᵐ. Dekl.	Diff.	γ Octantis. 6ᵐ. AR.	Diff.	γ Octantis. 6ᵐ. Dekl.	Diff.
	$14^h\ 42^m$		$-87°\ 46'$		$16^h\ 26^m$		$-86°\ 11'$		$18^h\ 0^m$		$-87°\ 39'$	
März 15	39.62	39	17.88	28	29.53	33	28.40	15	43.05	59	34.17	1
16	40.01	41	18.16	27	29.86	33	28.55	14	43.64	58	34.18	0
17	40.42	42	18.43	25	30.19	34	28.69	12	44.22	58	34.18	2
18	40.84	44	18.68	26	30.53	35	28.81	13	44.80	61	34.16	2
19	41.28	46	18.94	27	30.88	36	28.94	12	45.41	62	34.14	3
20	41.74	48	19.21	28	31.24	38	29.06	13	46.03	65	34.11	3
21	42.22	49	19.49	30	31.62	39	29.19	15	46.68	67	34.08	1
22	42.71	47	19.79	32	32.01	40	29.34	17	47.35	70	34.07	0
23	43.18	45	20.11	34	32.41	39	29.51	19	48.05	71	34.07	1
24	43.63	43	20.45	35	32.80	38	29.70	21	48.76	70	34.08	5
25	44.06	39	20.80	36	33.18	37	29.91	23	49.46	69	34.13	7
26	44.45	36	21.16	36	33.55	35	30.14	23	50.15	66	34.20	8
27	44.81	33	21.52	34	33.90	32	30.37	22	50.81	64	34.28	7
28	45.14	31	21.86	34	34.22	31	30.59	23	51.45	61	34.35	9
29	45.45	31	22.20	33	34.53	31	30.82	20	52.06	58	34.44	7
30	45.76	31	22.53	30	34.84	30	31.02	20	52.64	58	34.51	6
31	46.07	33	22.83	30	35.14	31	31.22	18	53.22	58	34.57	4
April 1	46.40	36	23.13	29	35.45	32	31.40	18	53.80	59	34.61	4
2	46.76	37	23.42	30	35.77	34	31.58	18	54.39	62	34.65	3
3	47.13	38	23.72	32	36.11	34	31.76	18	55.01	64	34.68	4
4	47.51	39	24.04	34	36.45	35	31.94	21	55.65	65	34.72	5
5	47.90	36	24.38	35	36.80	36	32.15	21	56.30	67	34.77	7
6	48.26	34	24.73	36	37.16	34	32.36	25	56.97	66	34.84	10
7	48.60	30	25.09	37	37.50	32	32.61	27	57.63	65	34.94	12
8	48.90	26	25.46	38	37.82	31	32.88	27	58.28	64	35.06	13
9	49.16	23	25.84	38	38.13	29	33.15	28	58.92	60	35.19	14
10	49.39	20	26.22	36	38.42	27	33.43	26	59.52	58	35.33	15
11	49.59	19	26.58	35	38.69	25	33.69	27	60.10	54	35.48	13
12	49.78	19	26.93	33	38.94	25	33.96	24	60.64	54	35.61	14
13	49.97	21	27.26	32	39.19	25	34.20	24	61.18	53	35.75	11
14	50.18	23	27.58	31	39.44	26	34.44	22	61.71	54	35.86	11
15	50.41	25	27.89	31	39.70	28	34.66	22	62.25	56	35.97	9
16	50.66	26	28.20	33	39.98	29	34.88	23	62.81	58	36.06	10
17	50.92	28	28.53	35	40.27	31	35.11	24	63.39	60	36.16	10
18	51.20	27	28.88	36	40.58	30	35.35	26	63.99	63	36.26	12
19	51.47	26	29.24	38	40.88	30	35.61	27	64.62	64	36.38	14
20	51.73	22	29.62	40	41.18	30	35.88	29	65.26	63	36.52	16
21	51.95		30.02		41.48		36.17		65.89		36.68	
O. K.	+ 0ˢ.55 cos φ				+ 0ˢ.32 cos φ				+ 0ˢ.52 cos φ			
U. K.	— 0 .55 cos φ				— 0 .32 cos φ				— 0 .52 cos φ			

Obere Kulmination.

1908	Octantis 20 G. 7ᵐ.				Octantis 26 G. 6ᵐ–7ᵐ.				χ Octantis. 6ᵐ.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$14^h\ 42^m$		$-87°\ 46'$		$16^h\ 26^m$		$-86°\ 11'$		$18^h\ 1^m$		$-87°\ 39'$	
April 21	51.95	19	30.02	39	41.48	28	36.17	32	5.89	62	36.68	19
22	52.14	15	30.41	41	41.76	26	36.49	32	6.51	60	36.87	19
23	52.29	12	30.82	39	42.02	24	36.81	32	7.11	56	37.06	20
24	52.41	10	31.21	38	42.26	22	37.13	31	7.67	53	37.26	21
25	52.51	9	31.59	36	42.48	20	37.44	30	8.20	51	37.47	19
26	52.60	9	31.95	34	42.68	20	37.74	29	8.71	49	37.66	19
27	52.69	10	32.29	33	42.88	21	38.03	27	9.20	47	37.85	17
28	52.79	13	32.62	34	43.09	21	38.30	25	9.67	50	38.02	15
29	52.92	14	32.96	32	43.30	23	38.55	26	10.17	50	38.17	15
30	53.06	14	33.28	34	43.53	23	38.81	27	10.67	53	38.32	15
Mai 1	53.20	16	33.62	35	43.76	24	39.08	27	11.20	55	38.47	17
2	53.36	15	33.97	37	44.00	25	39.35	29	11.75	55	38.64	18
3	53.51	12	34.34	38	44.25	24	39.64	32	12.30	55	38.82	20
4	53.63	9	34.72	39	44.49	22	39.96	32	12.85	54	39.02	23
5	53.72	5	35.11	39	44.71	20	40.28	35	13.39	52	39.25	24
6	53.77	1	35.50	39	44.91	18	40.63	34	13.91	50	39.49	24
7	53.78	— 3	35.89	38	45.09	16	40.97	35	14.41	46	39.73	26
8	53.75	4	36.27	37	45.25	15	41.32	33	14.87	43	39.99	25
9	53.71	5	36.64	34	45.40	12	41.65	31	15.30	41	40.24	24
10	53.66	4	36.98	33	45.52	14	41.96	31	15.71	39	40.48	24
11	53.62	1	37.31	32	45.66	14	42.27	29	16.10	40	40.72	21
12	53.61	— 1	37.63	32	45.80	14	42.56	28	16.50	41	40.93	20
13	53.62	2	37.95	31	45.94	16	42.84	28	16.91	43	41.13	19
14	53.64	4	38.26	33	46.10	17	43.12	29	17.34	44	41.32	20
15	53.68	4	38.59	35	46.27	19	43.41	30	17.78	47	41.52	22
16	53.72	2	38.94	36	46.46	18	43.71	32	18.25	48	41.74	23
17	53.74	0	39.30	38	46.64	16	44.03	34	18.73	47	41.97	26
18	53.74	4	39.68	39	46.80	16	44.37	35	19.20	47	42.23	26
19	53.70	7	40.07	39	46.96	15	44.72	37	19.67	44	42.49	30
20	53.63	10	40.46	38	47.11	11	45.09	36	20.11	41	42.79	29
21	53.53	13	40.84	36	47.22	9	45.45	37	20.52	38	43.08	30
22	53.40	16	41.20	35	47.31	8	45.82	35	20.90	35	43.38	29
23	53.24	16	41.55	34	47.39	8	46.17	33	21.25	32	43.67	29
24	53.08	14	41.89	31	47.47	7	46.50	31	21.57	31	43.96	26
25	52.94	13	42.20	30	47.54	8	46.81	31	21.88	31	44.22	25
26	52.81	10	42.50	30	47.62	8	47.12	29	22.19	32	44.47	25
27	52.71	8	42.80	30	47.70	9	47.41	29	22.51	33	44.72	24
28	52.63		43.10		47.79		47.70		22.84		44.96	
O. K.	+ 0ˢ.55 cos φ				+ 0ˢ.32 cos φ				+ 0ˢ.52 cos φ			
U. K.	— 0 .55 cos φ				— 0 .32 cos φ				— 0 .52 cos φ			

Obere Kulmination.

1908	Octantis 20 G. 7^m.				Octantis 26 G. 6^m-7^m.				χ Octantis. 6^m.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$14^h\ 42^m$		$-87°\ 46'$		$16^h\ 26^m$		$-86°\ 11'$		$18^h\ 1^m$		$-87°\ 39'$	
Mai 28	$52^s.63$	8	$43''.10$	31	$47^s.79$	11	$47''.70$	30	$22^s.84$	35	$44''.96$	24
29	52.55	9	43.41	33	47.90	10	48.00	32	23.19	36	45.20	25
30	52.46	11	43.74	34	48.00	10	48.32	33	23.55	38	45.45	27
31	52.35	15	44.08	35	48.10	9	48.65	34	23.93	35	45.72	30
Juni 1	52.20	17	44.43	35	48.19	8	48.99	36	24.28	35	46.02	31
2	52.03	21	44.78	35	48.27	4	49.35	37	24.63	31	46.33	33
3	51.82	25	45.13	34	48.31	4	49.72	36	24.94	26	46.66	33
4	51.57	27	45.47	32	48.35	0	50.08	36	25.20	24	46.99	33
5	51.30	28	45.79	30	48.35	1	50.44	34	25.44	20	47.32	32
6	51.02	28	46.09	29	48.34	2	50.78	32	25.64	20	47.64	31
7	50.74	26	46.38	26	48.32	1	51.10	31	25.84	19	47.95	29
8	50.48	24	46.64	26	48.31	1	51.41	29	26.03	18	48.24	27
9	50.24	21	46.90	27	48.30 —	1	51.70	29	26.21	21	48.51	27
10	50.03	20	47.17	26	48.31	1	51.99	29	26.42	22	48.78	26
11	49.83	20	47.43	28	48.32	3	52.28	29	26.64	24	49.04	26
12	49.63	19	47.71	29	48.35	4	52.57	32	26.88	26	49.30	29
13	49.44	22	48.00	31	48.39	3	52.89	33	27.14	26	49.59	30
14	49.22	25	48.31	31	48.42	1	53.22	35	27.40	25	49.89	32
15	48.97	28	48.62	32	48.43	0	53.57	36	27.65	24	50.21	34
16	48.69	33	48.94	32	48.43	2	53.93	36	27.89	19	50.55	35
17	48.36	34	49.26	31	48.41	5	54.29	36	28.08	17	50.90	35
18	48.02	37	49.57	27	48.36	6	54.65	34	28.25	13	51.25	34
19	47.65	38	49.84	26	48.30	8	54.99	32	28.38	9	51.59	33
20	47.27	37	50.10	24	48.22	8	55.31	30	28.47	8	51.92	33
21	46.90	36	50.34	21	48.14	8	55.61	29	28.55	7	52.25	29
22	46.54	33	50.55	22	48.06	7	55.90	27	28.62	8	52.54	29
23	46.21	31	50.77	22	47.99	6	56.17	27	28.70	9	52.83	27
24	45.90	30	50.99	22	47.93	5	56.44	27	28.79	11	53.10	29
25	45.60	29	51.21	24	47.88	5	56.71	29	28.90	13	53.39	27
26	45.31	31	51.45	24	47.83	5	57.00	29	29.03	12	53.66	31
27	45.00	33	51.69	25	47.78	5	57.29	31	29.15	12	53.97	32
28	44.67	37	51.94	26	47.73	7	57.60	32	29.27	9	54.29	33
29	44.30	41	52.20	25	47.66	10	57.92	34	29.36	8	54.62	34
30	43.89	43	52.45	24	47.56	11	58.26	32	29.44	4	54.96	36
Juli 1	43.46	47	52.69	23	47.45	14	58.58	32	29.48	1	55.32	35
2	42.99	47	52.92	21	47.31	15	58.90	31	29.49 —	3	55.67	35
3	42.52	48	53.13	18	47.16	16	59.21	28	29.46	5	56.02	33
4	42.04		53.31		47.00		59.49		29.41		56.35	
O. K.	$+ 0^s.55 \cos\varphi$				$+ 0^s.32 \cos\varphi$				$+ 0^s.52 \cos\varphi$			
U. K.	$- 0.55 \cos\varphi$				$- 0.32 \cos\varphi$				$- 0.52 \cos\varphi$			

Obere Kulmination.

1908	Octantis 20 G. 7^m.				Octantis 26 G. $6^m - 7^m$.				χ Octantis. 6^m.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$14^h\ 42^m$		$-87°\ 46'$		$16^h\ 26^m$		$-86°\ 11'$		$18^h\ 1^m$		$-87°\ 39'$	
	s		"		s		"		s		"	
Juli 4	42.04	45	53.31	17	47.00	16	59.49	26	29.41	7	56.35	29
5	41.59	44	53.48	16	46.84	16	59.75	25	29.34	7	56.64	31
6	41.15	42	53.64	15	46.68	14	60.00	24	29.27	6	56.95	29
7	40.73	39	53.79	15	46.54	13	60.24	23	29.21	3	57.24	27
8	40.34	38	53.94	16	46.41	12	60.47	24	29.18	2	57.51	29
9	39.96	37	54.10	18	46.29	11	60.71	26	29.16	0	57.80	28
10	39.59	39	54.28	19	46.18	12	60.97	27	29.16	1	58.08	29
11	39.20	41	54.47	19	46.06	12	61.24	28	29.17	0	58.37	32
12	38.79	44	54.66	20	45.94	14	61.52	29	29.17	3	58.69	33
13	38.35	47	54.86	19	45.80	16	61.81	29	29.14	4	59.02	34
14	37.88	51	55.05	19	45.64	17	62.10	29	29.10	7	59.36	34
15	37.37	53	55.24	16	45.47	20	62.39	27	29.03	11	59.70	34
16	36.84	54	55.40	15	45.27	21	62.66	26	28.92	15	60.04	33
17	36.30	53	55.55	12	45.06	22	62.92	24	28.77	17	60.37	31
18	35.77	51	55.67	10	44.84	22	63.16	22	28.60	18	60.68	29
19	35.26	49	55.77	8	44.62	21	63.38	20	28.42	18	60.97	28
20	34.77	46	55.85	8	44.41	20	63.58	19	28.24	17	61.25	25
21	34.31	44	55.93	8	44.21	18	63.77	18	28.07	16	61.50	25
22	33.87	44	56.01	10	44.03	18	63.95	20	27.91	14	61.75	25
23	33.43	43	56.11	10	43.85	19	64.15	20	27.77	13	62.00	28
24	33.00	45	56.21	11	43.66	19	64.35	22	27.64	13	62.28	27
25	32.55	49	56.32	12	43.47	19	64.57	23	27.51	14	62.55	29
26	32.06	51	56.44	12	43.28	21	64.80	23	27.37	16	62.84	31
27	31.55	55	56.56	11	43.07	23	65.03	24	27.21	20	63.15	32
28	31.00	57	56.67	9	42.84	26	65.27	22	27.01	24	63.47	32
29	30.43	59	56.76	8	42.58	26	65.49	21	26.77	26	63.79	30
30	29.84	59	56.84	5	42.32	29	65.70	20	26.51	29	64.09	29
31	29.25	58	56.89	2	42.03	28	65.90	17	26.22	31	64.38	28
Aug. 1	28.67	55	56.91	1	41.75	28	66.07	14	25.91	32	64.66	24
2	28.12	52	56.92	1	41.47	26	66.21	14	25.59	30	64.90	24
3	27.60	50	56.93	0	41.21	25	66.35	13	25.29	29	65.14	22
4	27.10	46	56.93	0	40.96	24	66.48	12	25.00	28	65.36	21
5	26.64	47	56.93	3	40.72	23	66.60	13	24.72	25	65.57	22
6	26.17	45	56.96	3	40.49	22	66.73	14	24.47	25	65.79	23
7	25.72	48	56.99	3	40.27	22	66.87	17	24.22	23	66.02	24
8	25.24	51	57.02	4	40.05	24	67.04	17	23.99	24	66.26	26
9	24.73	53	57.06	5	39.81	26	67.21	17	23.75	26	66.52	27
10	24.20		57.11		39.55		67.38		23.49		66.79	
O. K.	+ 0^s.55 cos φ				+ 0^s.32 cos φ				+ 0^s.53 cos φ			
U. K.	— 0 .55 cos φ				— 0 .32 cos φ				— 0 .53 cos φ			

Obere Kulmination.

1908	Octantis 20 G. 7ᵐ.				Octantis 26 G. 6ᵐ–7ᵐ.				χ Octantis. 6ᵐ.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$14^h\,42^m$		$-87°\,46'$		$16^h\,26^m$		$-86°\,12'$		$18^h\,1^m$		$-87°\,40'$	
Aug. 10	24.20	56	57.11	4	39.55	27	7.38	17	23.49	30	6.79	27
11	23.64	58	57.15	2	39.28	30	7.55	16	23.19	33	7.06	27
12	23.06	58	57.17	0	38.98	30	7.71	14	22.86	37	7.33	26
13	22.48	59	57.17	3	38.68	31	7.85	12	22.49	39	7.59	24
14	21.89	57	57.14	5	38.37	31	7.97	10	22.10	40	7.83	21
15	21.32	53	57.09	6	38.06	31	8.07	7	21.70	41	8.04	20
16	20.79	52	57.03	8	37.75	30	8.14	7	21.29	39	8.24	17
17	20.27	47	56.95	8	37.45	28	8.21	5	20.90	38	8.41	17
18	19.80	46	56.87	7	37.17	26	8.26	6	20.52	36	8.58	16
19	19.34	46	56.80	5	36.91	26	8.32	6	20.16	35	8.74	17
20	18.88	46	56.75	5	36.65	26	8.38	6	19.81	34	8.91	17
21	18.42	47	56.70	4	36.39	27	8.44	9	19.47	35	9.08	20
22	17.95	52	56.66	4	36.12	28	8.53	10	19.12	35	9.28	20
23	17.43	54	56.62	5	35.84	30	8.63	9	18.77	39	9.48	21
24	16.89	56	56.57	6	35.54	32	8.72	9	18.38	42	9.69	21
25	16.33	58	56.51	8	35.22	33	8.81	8	17.96	45	9.90	21
26	15.75	56	56.43	10	34.89	34	8.89	5	17.51	48	10.11	18
27	15.19	58	56.33	11	34.55	35	8.94	4	17.03	49	10.29	18
28	14.61	54	56.22	15	34.20	34	8.98	1	16.54	51	10.47	14
29	14.07	50	56.07	16	33.86	33	8.99	−2	16.03	49	10.61	13
30	13.57	47	55.91	16	33.53	30	8.97	2	15.54	48	10.74	10
31	13.10	45	55.75	15	33.23	30	8.95	3	15.06	45	10.84	11
Sept. 1	12.65	41	55.60	14	32.93	27	8.92	1	14.61	43	10.95	9
2	12.24	42	55.46	13	32.66	28	8.91	1	14.18	41	11.04	9
3	11.82	42	55.33	12	32.38	27	8.90	0	13.77	40	11.13	11
4	11.40	43	55.21	10	32.11	28	8.90	1	13.37	40	11.24	13
5	10.97	46	55.11	11	31.83	29	8.91	3	12.97	42	11.37	14
6	10.51	48	55.00	13	31.54	30	8.94	2	12.55	44	11.51	14
7	10.03	50	54.87	12	31.24	32	8.96	1	12.11	47	11.65	14
8	9.53	50	54.75	14	30.92	32	8.97	−1	11.64	49	11.79	13
9	9.03	50	54.61	18	30.60	34	8.96	3	11.15	52	11.92	11
10	8.53	49	54.43	19	30.26	33	8.93	6	10.63	54	12.03	9
11	8.04	45	54.24	21	29.93	33	8.87	7	10.09	54	12.12	7
12	7.59	43	54.03	22	29.60	31	8.80	9	9.55	53	12.19	4
13	7.16	38	53.81	22	29.29	29	8.71	10	9.02	51	12.23	2
14	6.78	36	53.59	22	29.00	29	8.61	10	8.51	49	12.25	2
15	6.42	34	53.37	21	28.71	26	8.51	10	8.02	47	12.27	2
16	6.08		53.16		28.45		8.41		7.55		12.29	
O. K.	$+0^s.55\cos\varphi$				$+0^s.32\cos\varphi$				$+0^s.53\cos\varphi$			
U. K.	$-0.55\cos\varphi$				$-0.32\cos\varphi$				$-0.53\cos\varphi$			

Obere Kulmination.

1908	Octantis 20 G. 7^m.				Octantis 26 G. 6^m–7^m.				χ Octantis. 6^m.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	14^h 41^m		−87° 46′		16^h 26^m		−86° 12′		18^h 0^m		−87° 40′	
Sept 16	66.08 s	34	53.16 "	20	28.45 s	27	8.41 "	9	67.55 s	45	12.29 "	3
17	65.74	34	52.96	19	28.18	27	8.32	8	67.10	45	12.32	3
18	65.40	38	52.77	18	27.91	26	8.24	6	66.65	45	12.35	6
19	65.02	39	52.59	18	27.65	29	8.18	7	66.20	47	12.41	6
20	64.63	41	52.41	19	27.36	30	8.11	6	65.73	50	12.47	5
21	64.22	43	52.22	21	27.06	31	8.05	8	65.23	52	12.52	6
22	63.79	43	52.01	23	26.75	33	7.97	10	64.71	55	12.58	5
23	63.36	42	51.78	24	26.42	32	7.87	12	64.16	56	12.63	2
24	62.94	39	51.54	27	26.10	32	7.75	13	63.60	58	12.65	1
25	62.55	36	51.27	28	25.78	31	7.62	16	63.02	56	12.66	— 2
26	62.19	31	50.99	28	25.47	29	7.46	18	62.46	56	12.64	4
27	61.88	29	50.71	29	25.18	27	7.28	18	61.90	51	12.60	6
28	61.59	25	50.42	27	24.91	25	7.10	17	61.39	50	12.54	7
29	61.34	23	50.15	26	24.66	23	6.93	17	60.89	46	12.47	6
30	61.11	23	49.89	25	24.43	22	6.76	17	60.43	45	12.41	6
Okt. 1	60.88	23	49.64	23	24.21	23	6.59	14	59.98	44	12.35	3
2	60.65	26	49.41	23	23.98	23	6.45	14	59.54	44	12.32	4
3	60.39	26	49.18	23	23.75	24	6.31	13	59.10	46	12.28	2
4	60.13	29	48.95	23	23.51	25	6.18	14	58.64	47	12.26	3
5	59.84	30	48.72	25	23.26	27	6.04	14	58.17	50	12.23	3
6	59.54	30	48.47	27	22.99	28	5.90	18	57.67	52	12.20	4
7	59.24	28	48.20	29	22.71	27	5.72	18	57.15	54	12.16	6
8	58.96	25	47.91	31	22.44	26	5.54	22	56.61	54	12.10	9
9	58.71	20	47.60	31	22.18	25	5.32	23	56.07	52	12.01	11
10	58.51	18	47.29	33	21.93	23	5.09	23	55.55	50	11.90	13
11	58.33	14	46.96	32	21.70	21	4.86	25	55.05	49	11.77	14
12	58.19	12	46.64	30	21.49	19	4.61	24	54.56	45	11.63	15
13	58.07	10	46.34	29	21.30	18	4.37	23	54.11	42	11.48	14
14	57.97	10	46.05	28	21.12	18	4.14	22	53.69	41	11.34	13
15	57.87	11	45.77	28	20.94	17	3.92	21	53.28	41	11.21	12
16	57.76	13	45.49	26	20.77	19	3.71	20	52.87	41	11.09	11
17	57.63	15	45.23	27	20.58	20	3.51	20	52.46	43	10.98	9
18	57.48	17	44.96	28	20.38	21	3.31	20	52.03	46	10.89	9
19	57.31	17	44.68	29	20.17	21	3.11	22	51.57	48	10.80	12
20	57.14	16	44.39	32	19.96	22	2.89	23	51.09	49	10.68	13
21	56.98	14	44.07	32	19.74	22	2.66	26	50.60	49	10.55	15
22	56.84	11	43.75	35	19.52	21	2.40	26	50.11	50	10.40	17
23	56.73		43.40		19.31		2.14		49.61		10.23	
O. K.	+ 0^s.55 cos φ				+ 0^s.32 cos φ				+ 0^s.53 cos φ			
U. K.	— 0 .55 cos φ				— 0 .32 cos φ				— 0 .53 cos φ			

Obere Kulmination.

1908	Octantis 20 G. 7^m. AR.		Dekl.		Octantis 26 G. 6^m–7^m. AR.		Dekl.		χ Octantis. 6^m. AR.		Dekl.	
	14^h 41^m		−87° 46′		16^h 26^m		−86° 11′		18^h 0^m		−87° 40′	
Okt. 23	^{s}56.73	7	″43.40	34	^{s}19.31	18	″62.14	30	^{s}49.61	47	″10.23	20
24	56.66	2	43.06	34	19.13	16	61.84	29	49.14	44	10.03	21
25	56.64	— 1	42.72	34	18.97	14	61.55	30	48.70	41	9.82	22
26	56.65	3	42.38	32	18.83	12	61.25	29	48.29	38	9.60	22
27	56.68	6	42.06	30	18.71	10	60.96	28	47.91	34	9.38	21
28	56.74	5	41.76	28	18.61	9	60.68	26	47.57	33	9.17	20
29	56.79	4	41.48	28	18.52	10	60.42	26	47.24	32	8.97	18
30	56.83	1	41.20	27	18.42	11	60.16	24	46.92	32	8.79	18
31	56.84	1	40.93	27	18.31	12	59.92	25	46.60	34	8.61	17
Nov. 1	56.85	— 1	40.66	28	18.19	13	59.67	25	46.26	36	8.44	17
2	56.84	1	40.38	30	18.06	13	59.42	25	45.90	38	8.27	19
3	56.83	0	40.08	30	17.93	13	59.17	28	45.52	38	8.08	20
4	56.83	3	39.78	32	17.80	12	58.89	30	45.14	39	7.88	22
5	56.86 / 56.94	8 / 11	39.46 / 39.12	34 / 35	17.68	10	58.59	31	44.75	38	7.66	25
6	57.05	15	38.77	33	17.58	10	58.28	33	44.37	35	7.41	26
7	57.20	18	38.44	32	17.48	7	57.95	34	44.02	33	7.15	28
8	57.38	19	38.12	32	17.41	5	57.61	32	43.69	30	6.87	27
9	57.57	20	37.80	28	17.36	3	57.29	32	43.39	26	6.60	29
10	57.77	19	37.52	27	17.33	1	56.97	31	43.13	24	6.31	27
11	57.96	18	37.25	27	17.32	2	56.66	28	42.89	21	6.04	26
12	58.14	15	36.98	26	17.30	2	56.38	28	42.68	23	5.78	24
13	58.29	14	36.72	26	17.28	3	56.10	26	42.45	23	5.54	23
14	58.43	13	36.46	28	17.25	5	55.84	26	42.22	25	5.31	22
15	58.56	14	36.18	29	17.20	6	55.58	29	41.97	28	5.09	23
16	58.70	15	35.89	31	17.14	5	55.29	28	41.69	29	4.86	24
17	58.85	17	35.58	31	17.09	5	55.01	31	41.40	28	4.62	26
18	59.02	21	35.27	32	17.04	4	54.70	32	41.12	28	4.36	29
19	59.23	27	34.95	32	17.00	2	54.38	34	40.84	27	4.07	30
20	59.50	30	34.63	30	16.98	0	54.04	34	40.57	23	3.77	31
21	59.80	31	34.33	29	16.98	3	53.70	35	40.34	19	3.46	33
22	60.11	35	34.04	27	17.01	4	53.35	34	40.15	17	3.13	33
23	60.46	35	33.77	26	17.05	6	53.01	32	39.98	12	2.80	31
24	60.81	34	33.51	22	17.11	8	52.69	31	39.86	10	2.49	31
25	61.15	32	33.29	22	17.19	8	52.38	29	39.76	8	2.18	29
26	61.47	31	33.07	23	17.27	7	52.09	28	39.68	8	1.89	28
27	61.78	29	32.84	21	17.34	6	51.81	26	39.60	10	1.61	26
28	62.07		32.63		17.40		51.55		39.50		1.35	
O. K.	+ 0^s.55 cos φ				+ 0^s.32 cos φ				+ 0^s.53 cos φ			
U. K.	— 0 .55 cos φ				— 0 .32 cos φ				— 0 .53 cos φ			

Obere Kulmination.

1908	Octantis 20 G. 7m. AR.		Octantis 20 G. 7m. Dekl.		Octantis 26 G. 6m–7m. AR.		Octantis 26 G. 6m–7m. Dekl.		γ Octantis. 6m. AR.		γ Octantis. 6m. Dekl.	
	$14^h\ 42^m$		−87° 46′		$16^h\ 26^m$		−86° 11′		$18^h\ 0^m$		−87° 39′	
Nov. 28	s 2.07	28	″ 32.63	23	s 17.40	5	″ 51.55	27	s 39.50	10	″ 61.35	26
29	2.35	29	32.40	25	17.45	5	51.28	27	39.40	13	61.09	28
30	2.64	30	32.15	25	17.50	5	51.01	28	39.27	12	60.81	29
					17.55	6	50.73	30				
Dez. 1	2.94	32	31.90	27	17.61	6	50.43	32	39.15	13	60.52	29
2	3.26	38	31.63	27	17.67	8	50.11	33	39.02	13	60.23	32
3	3.64	42	31.36	26	17.75	10	49.78	34	38.89	10	59.91	34
4	4.06	45	31.10	26	17.85	14	49.44	34	38.79	7	59.57	34
5	4.51	46	30.84	23	17.99	14	49.10	32	38.72	3	59.23	35
6	4.97	48	30.61	22	18.13	15	48.78	30	38.69	1	58.88	35
7	5.45	47	30.39	19	18.28	17	48.48	29	38.68	— 3	58.53	34
8	5.92	45	30.20	18	18.45	15	48.19	27	38.71	5	58.19	33
9	6.37	42	30.02	16	18.60	16	47.92	26	38.76	4	57.86	31
10	6.79	42	29.86	17	18.76	14	47.66	24	38.80	5	57.55	29
11	7.21	39	29.69	18	18.90	14	47.42	24	38.85	3	57.26	28
12	7.60	39	29.51	19	19.04	12	47.18	26	38.88	2	56.98	29
13	7.99	40	29.32	20	19.16	13	46.92	28	38.90	1	56.69	28
14	8.39	41	29.12	20	19.29	13	46.64	29	38.91	0	56.41	30
15	8.80	45	28.92	22	19.42	15	46.35	29	38.91	0	56.11	31
16	9.25	49	28.70	21	19.57	16	46.06	31	38.91	0	55.80	34
17	9.74	53	28.49	20	19.73	19	45.75	32	38.91	3	55.46	35
18	10.27	55	28.29	19	19.92	22	45.43	30	38.94	7	55.11	35
19	10.82	58	28.10	16	20.14	23	45.13	28	39.01	12	54.76	36
20	11.40	57	27.94	14	20.37	24	44.85	27	39.13	15	54.40	35
21	11.97	57	27.80	12	20.61	24	44.58	23	39.28	18	54.05	33
									39.46	20	53.72	33
22	12.54	54	27.68	10	20.85	25	44.35	23	39.66	21	53.39	30
23	13.08	53	27.58	10	21.10	24	44.12	21	39.87	21	53.09	29
24	13.61	50	27.48	9	21.34	23	43.91	21	40.08	19	52.80	27
25	14.11	51	27.39	10	21.57	23	43.70	20	40.27	18	52.53	29
26	14.62	49	27.29	11	21.80	21	43.50	22	40.45	16	52.24	27
27	15.11	49	27.18	12	22.01	21	43.28	23	40.61	16	51.97	30
28	15.60	52	27.06	12	22.22	22	43.05	24	40.77	16	51.67	31
29	16.12	56	26.94	14	22.44	24	42.81	26	40.93	18	51.36	32
30	16.68	59	26.80	14	22.68	26	42.55	26	41.11	20	51.04	35
31	17.27	62	26.66	11	22.94	26	42.29	25	41.31	24	50.69	33
32	17.89	64	26.55	11	23.22	28	42.04	24	41.55	27	50.36	34
33	18.53		26.44		23.50		41.80		41.82		50.02	
O. K.	$+0^s.55 \cos\varphi$				$+0^s.32 \cos\varphi$				$+0^s.53 \cos\varphi$			
U. K.	$-0.55 \cos\varphi$				$-0.32 \cos\varphi$				$-0.53 \cos\varphi$			

Obere Kulmination.

1908	σ Octantis. 6ᵐ.				β Octantis. 4ᵐ–5ᵐ.				τ Octantis. 6ᵐ.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$19^h\ 10^m$		$-89°\ 14'$		$22^h\ 36^m$		$-81°\ 52'$		$23^h\ 13^m$		$-87°\ 59'$	
Jan. 1	$51^s.23$	33	$33''.27$	35	$33^s.86$	10	$14''.69$	26	$73^s.41$	53	$40''.63$	23
2	51.56	42	32.92	35	33.76	9	14.43	26	72.88	49	40.40	24
3	51.98	48	32.57	33	33.67	9	14.17	25	72.39	45	40.16	24
4	52.46	43	32.24	31	33.58	8	13.92	24	71.94	44	39.92	22
5	52.89	42	31.93	31	33.50	8	13.68	24	71.50	42	39.70	21
6	53.31	38	31.62	30	33.42	9	13.44	22	71.08	43	39.49	21
7	53.69	31	31.32	30	33.33	8	13.22	21	70.65	44	39.28	19
	54.00	27	31.02	32								
8	54.27	28	30.70	33	33.25	10	13.01	21	70.21	48	39.09	20
9	54.55	28	30.37	35	33.15	9	12.80	23	69.73	50	38.89	21
10	54.83	36	30.02	36	33.06	10	12.57	25	69.23	51	38.68	22
11	55.19	44	29.66	37	32.96	10	12.32	25	68.72	53	38.46	23
12	55.63	56	29.29	37	32.86	10	12.07	29	68.19	53	38.23	25
13	56.19	65	28.92	37	32.76	9	11.78	30	67.66	50	37.98	28
14	56.84	75	28.55	35	32.67	9	11.48	31	67.16	47	37.70	29
15	57.59	80	28.20	33	32.58	8	11.17	32	66.69	44	37.41	29
16	58.39	83	27.87	31	32.50	6	10.85	30	66.25	39	37.12	29
17	59.22	81	27.56	29	32.44	5	10.55	30	65.86	35	36.83	30
18	60.03	77	27.27	29	32.39	5	10.25	28	65.51	34	36.53	28
19	60.80	72	26.98	28	32.34	6	9.97	28	65.17	33	36.25	26
20	61.52	66	26.70	30	32.28	5	9.69	27	64.84	33	35.99	26
21	62.18	65	26.40	30	32.23	6	9.42	26	64.51	35	35.73	25
22	62.83	65	26.10	32	32.17	7	9.16	27	64.16	38	35.48	25
23	63.48	70	25.78	32	32.10	7	8.89	28	63.78	41	35.23	27
24	64.18	79	25.46	35	32.03	8	8.61	31	63.37	42	34.96	28
25	64.97	88	25.11	35	31.95	7	8.30	32	62.95	42	34.68	30
26	65.85	101	24.76	35	31.88	7	7.98	34	62.53	42	34.38	33
27	66.86	112	24.41	34	31.81	6	7.64	35	62.11	38	34.05	34
28	67.98	121	24.07	33	31.75	6	7.29	36	61.73	34	33.71	36
29	69.19	125	23.74	30	31.69	4	6.93	37	61.39	30	33.35	36
30	70.44	125	23.44	28	31.65	2	6.56	36	61.09	27	32.99	36
31	71.71	121	23.16	27	31.63	3	6.20	36	60.82	22	32.63	36
Febr. 1	72.92	120	22.89	27	31.60	2	5.84	34	60.60	21	32.27	33
2	74.12	112	22.62	25	31.58	1	5.50	32	60.39	20	31.94	33
3	75.24	107	22.37	26	31.57	2	5.18	32	60.19	22	31.61	32
4	76.31	103	22.11	28	31.55	3	4.86	30	59.97	24	31.29	30
5	77.34	104	21.83	30	31.52	3	4.56	32	59.73	27	30.99	31
6	78.38		21.53		31.49		4.24		59.46		30.68	
O. K.	$+1^s.62\cos\varphi$				$+0^s.15\cos\varphi$				$+0^s.61\cos\varphi$			
U. K.	$-1\ .62\cos\varphi$				$-0\ .15\cos\varphi$				$-0\ .61\cos\varphi$			

Obere Kulmination.

1908	σ Octantis. 6m. AR.		σ Octantis. Dekl.		β Octantis. 4m–5m. AR.		β Octantis. Dekl.		τ Octantis. 6m. AR.		τ Octantis. Dekl.	
	19h 11m		−89° 14′		22h 36m		−81° 51′		23h 13m		−87° 59′	
Febr. 6	18.38	108	21.53	30	31.49	5	64.24	33	59.46	29	30.68	32
7	19.46	115	21.23	31	31.44	4	63.91	34	59.17	30	30.36	34
8	20.61	125	20.92	31	31.40	4	63.57	36	58.87	30	30.02	35
9	21.86	134	20.61	32	31.36	3	63.21	38	58.57	29	29.67	36
10	23.20	144	20.29	29	31.33	3	62.83	39	58.28	24	29.31	39
11	24.64	151	20.00	28	31.30	2	62.44	39	58.04	22	28.92	39
12	26.15	152	19.72	25	31.28	0	62.05	39	57.82	16	28.53	39
13	27.67	153	19.47	24	31.28	0	61.66	38	57.66	13	28.14	38
14	29.20	148	19.23	21	31.28	1	61.28	36	57.53	10	27.76	37
15	30.68	141	19.02	21	31.29	1	60.92	34	57.43	9	27.39	36
16	32.09	136	18.81	21	31.30	1	60.58	34	57.34	7	27.03	34
17	33.45	131	18.60	22	31.31	1	60.24	34	57.27	10	26.69	34
18	34.76	129	18.38	23	31.32	0	59.90	33	57.17	12	26.35	33
19	36.05	132	18.15	25	31.32	0	59.57	33	57.05	15	26.02	34
20	37.37	138	17.90	26	31.32	1	59.24	35	56.90	16	25.68	35
21	38.75	146	17.64	26	31.31	1	58.89	36	56.74	18	25.33	37
22	40.21	156	17.38	27	31.30	0	58.53	39	56.56	15	24.96	39
23	41.77	168	17.11	26	31.30	0	58.14	40	56.41	14	24.57	40
24	43.45	177	16.85	24	31.30	1	57.74	41	56.27	11	24.17	42
25	45.22	182	16.61	23	31.31	2	57.33	41	56.16	6	23.75	42
26	47.04	184	16.38	21	31.33	3	56.92	41	56.10	2	23.33	42
					31.36	4	56.51	39				
27	48.88	181	16.17	18	31.40	4	56.12	38	56.08	2	22.91	42
28	50.69	175	15.99	16	31.44	5	55.74	37	56.10	5	22.49	39
29	52.44	169	15.83	16	31.49	5	55.37	35	56.15	5	22.10	39
März 1	54.13	162	15.67	16	31.54	3	55.02	35	56.20	5	21.71	36
2	55.75	156	15.51	18	31.57	4	54.67	34	56.25	4	21.35	36
3	57.31	155	15.33	17	31.61	3	54.33	35	56.29	1	20.99	35
4	58.86	157	15.16	20	31.64	2	53.98	36	56.30	2	20.64	36
5	60.43	161	14.96	21	31.66	3	53.62	38	56.28	3	20.28	36
6	62.04	170	14.75	20	31.69	3	53.24	38	56.25	4	19.92	39
7	63.74	177	14.55	21	31.72	4	52.86	40	56.21	2	19.53	40
									56.19	1	19.13	41
8	65.51	186	14.34	20	31.76	4	52.46	40	56.18	4	18.72	41
9	67.37	193	14.14	18	31.80	6	52.06	40	56.22	8	18.31	42
10	69.30	196	13.96	15	31.86	6	51.66	39	56.30	13	17.89	42
11	71.26	194	13.81	13	31.92	7	51.27	37	56.43	15	17.47	40
12	73.20		13.68		31.99		50.90		56.58		17.07	
O. K.	+ 1s.61 cos φ				+ 0s.15 cos φ				+ 0s.61 cos φ			
U. K.	− 1 .61 cos φ				− 0 .15 cos φ				− 0 .61 cos φ			

Obere Kulmination.

1908	σ Octantis. 6^m. AR.		σ Octantis. Dekl.		β Octantis. 4^m–5^m. AR.		β Octantis. Dekl.		τ Octantis. 6^m. AR.		τ Octantis. Dekl.	
	$19^h\ 12^m$		$-89°\ 14'$		$22^h\ 36^m$		$-81°\ 51'$		$23^h\ 13^m$		$-87°\ 59'$	
März 12	$13^s.20$	192	$13''.68$	12	$31^s.99$	8	$50''.90$	36	$56^s.58$	18	$17''.07$	39
13	15.12	184	13.56	10	32.07	8	50.54	35	56.76	18	16.68	36
14	16.96	178	13.46	10	32.15	6	50.19	32	56.94	17	16.32	36
15	18.74	170	13.36	9	32.21	8	49.87	33	57.11	15	15.96	34
16	20.44	166	13.27	12	32.29	6	49.54	32	57.26	14	15.62	34
17	22.10	166	13.15	13	32.35	6	49.22	34	57.40	10	15.28	34
18	23.76	170	13.02	15	32.41	5	48.88	34	57.50	9	14.94	37
19	25.46	176	12.87	13	32.46	6	48.54	37	57.59	10	14.57	38
20	27.22	185	12.74	15	32.52	7	48.17	38	57.69	11	14.19	39
21	29.07	194	12.59	14	32.59	7	47.79	39	57.80	13	13.80	41
22	31.01	203	12.45	13	32.66	8	47.40	39	57.93	19	13.39	42
23	33.04	210	12.32	10	32.74	8	47.01	39	58.12	21	12.97	41
24	35.14	212	12.22	9	32.82	10	46.62	37	58.33	27	12.56	42
25	37.26	209	12.13	7	32.92	11	46.25	37	58.60	29	12.14	39
26	39.35	204	12.06	4	33.03	11	45.88	35	58.89	30	11.75	37
27	41.39	196	12.02	5	33.14	10	45.53	32	59.19	31	11.38	36
28	43.35	188	11.97	3	33.24	10	45.21	30	59.50	30	11.02	34
29	45.23	181	11.94	5	33.34	10	44.91	32	59.80	27	10.68	33
30	47.04	176	11.89	5	33.44	10	44.59	31	60.07	25	10.35	34
31	48.80	176	11.84	7	33.54	8	44.28	31	60.32	22	10.01	34
April 1	50.56	178	11.77	7	33.62	8	43.97	32	60.54	21	9.67	35
2	52.34	183	11.70	9	33.70	9	43.65	34	60.75	22	9.32	36
3	54.17	192	11.61	8	33.79	8	43.31	36	60.97	23	8.96	37
4	56.09	199	11.53	7	33.87	10	42.95	35	61.20	27	8.59	38
5	58.08	205	11.46	6	33.97	11	42.60	35	61.47	31	8.21	38
6	60.13	208	11.40	3	34.08	12	42.25	35	61.78	35	7.83	38
7	62.21	209	11.37	1	34.20	13	41.90	33	62.13	38	7.45	37
8	64.30	204	11.36	1	34.33	12	41.57	31	62.51	41	7.08	34
9	66.34	197	11.37	3	34.45	12	41.26	29	62.92	42	6.74	33
10	68.31	189	11.40	3	34.57	14	40.97	29	63.34	42	6.41	31
11	70.20	181	11.43	3	34.71	13	40.68	27	63.76	40	6.10	29
12	72.01	174	11.46	3	34.84	11	40.41	24	64.16	36	5.81	29
13	73.75	173	11.49	0	34.95	11	40.17	26	64.52	35	5.52	29
14	75.48	172	11.49	0	35.06	11	39.91	27	64.87	32	5.23	31
15	77.20	176	11.49	1	35.17	11	39.64	29	65.19	33	4.92	31
16	78.96	184	11.48	1	35.28	11	39.35	30	65.52	33	4.61	33
17	80.80	192	11.47	1	35.39	12	39.05	31	65.85	35	4.28	35
18	82.72		11.46		35.51		38.74		66.20		3.93	
O. K.	$+1^s.61\cos\varphi$				$+0^s.15\cos\varphi$				$+0^s.61\cos\varphi$			
U. K.	$-1.61\cos\varphi$				$-0.15\cos\varphi$				$-0.61\cos\varphi$			

Obere Kulmination.

1908	σ Octantis. 6ᵐ. AR.		σ Octantis. 6ᵐ. Dekl.		β Octantis. 4ᵐ–5ᵐ. AR.		β Octantis. 4ᵐ–5ᵐ. Dekl.		τ Octantis. 6ᵐ. AR.		τ Octantis. 6ᵐ. Dekl.	
	19ʰ 13ᵐ		−89° 14′		22ʰ 36ᵐ		−81° 51′		23ʰ 14ᵐ		−87° 58′	
April 18	22.72	200	11.46	−1	35.51	13	38.74	32	6.20	38	63.93	35
19	24.72	207	11.45	1	35.64	13	38.42	31	6.58	42	63.58	35
20	26.79	209	11.46	4	35.77	15	38.11	31	7.00	47	63.23	34
21	28.88	207	11.50	6	35.92	15	37.80	29	7.47	51	62.89	33
22	30.95	203	11.56	8	36.07	16	37.51	27	7.98	51	62.56	31
23	32.98	194	11.64	9	36.23	16	37.24	24	8.49	52	62.25	29
24	34.92	186	11.73	9	36.39	15	37.00	24	9.01	52	61.96	27
25	36.78	177	11.82	9	36.54	14	36.76	22	9.53	49	61.69	26
26	38.55	169	11.91	9	36.68	14	36.54	22	10.02	46	61.43	25
27	40.24	166	12.00	7	36.82	13	36.32	22	10.48	43	61.18	26
28	41.90	166	12.07	6	36.95	13	36.10	23	10.91	42	60.92	26
29	43.56	170	12.13	4	37.08	12	35.87	25	11.33	42	60.66	27
30	45.26	175	12.17	6	37.20	14	35.62	25	11.75	42	60.39	28
Mai 1	47.01	183	12.23	5	37.34	14	35.37	26	12.17	44	60.11	30
2	48.84	189	12.28	7	37.48	14	35.11	25	12.61	48	59.81	29
3	50.73	192	12.35	9	37.62	16	34.86	25	13.09	52	59.52	29
4	52.65	192	12.44	11	37.78	16	34.61	23	13.61	57	59.23	27
5	54.57	189	12.55	14	37.94	17	34.38	22	14.18	58	58.96	26
6	56.46	182	12.69	14	38.11	17	34.16	19	14.76	60	58.70	24
7	58.28	172	12.83	16	38.28	17	33.97	18	15.36	60	58.46	22
8	60.00	164	12.99	17	38.45	17	33.79	15	15.96	59	58.24	20
9	61.64	154	13.16	16	38.62	15	33.64	15	16.55	55	58.04	19
10	63.18	149	13.32	14	38.77	15	33.49	15	17.10	53	57.85	19
11	64.67	147	13.46	14	38.92	15	33.34	15	17.63	50	57.66	19
12	66.14	150	13.60	12	39.07	14	33.19	17	18.13	49	57.47	20
13	67.64	154	13.72	10	39.21	14	33.02	19	18.62	48	57.27	22
14	69.18	162	13.82	11	39.35	15	32.83	20	19.10	50	57.05	23
15	70.80	170	13.93	13	39.50	15	32.63	19	19.60	53	56.82	23
16	72.50	175	14.06	13	39.65	16	32.44	20	20.13	57	56.59	24
17	74.25	179	14.19	15	39.81	17	32.24	19	20.70	60	56.35	23
18	76.04	178	14.34	17	39.98	18	32.05	18	21.30	64	56.12	22
19	77.82	173	14.51	20	40.16	19	31.87	15	21.94	65	55.90	19
20	79.55	165	14.71	20	40.35	18	31.72	13	22.59	67	55.71	19
21	81.20	155	14.91	22	40.53	18	31.59	11	23.26	65	55.52	16
22	82.75	145	15.13	22	40.71	17	31.48	9	23.91	64	55.36	15
23	84.20	136	15.35	20	40.88	17	31.39	10	24.55	61	55.21	12
24	85.56	130	15.55	20	41.05	15	31.29	9	25.16	57	55.09	13
25	86.86		15.75		41.20		31.20		25.73		54.96	
O. K.	+ 1ˢ.61 cos φ				+ 0ˢ.15 cos φ				+ 0ˢ.61 cos φ			
U. K.	− 1 .61 cos φ				− 0 .15 cos φ				− 0 .61 cos φ			

Obere Kulmination.

1908	σ Octantis. 6m. AR.		σ Octantis. 6m. Dekl.		β Octantis. 4m—5m. AR.		β Octantis. 4m—5m. Dekl.		τ Octantis. 6m. AR.		τ Octantis. 6m. Dekl.	
	19h 14m		−89° 14′		22h 36m		−81° 51′		23h 14m		−87° 58′	
Mai 25	26.86	128	15.75	19	41.20	16	31.20	10	25.73	55	54.96	13
26	28.14	130	15.94	17	41.36	15	31.10	10	26.28	54	54.83	15
27	29.44	134	16.11	17	41.51	15	31.00	12	26.82	53	54.68	14
28	30.78	139	16.28	17	41.66	16	30.88	13	27.35	56	54.54	17
29	32.17	145	16.45	18	41.82	16	30.75	12	27.91	58	54.37	16
30	33.62	150	16.63	19	41.98	18	30.63	12	28.49	62	54.21	16
31	35.12	149	16.82	22	42.16	18	30.51	11	29.11	65	54.05	15
Juni 1	36.61	146	17.04	23	42.34	18	30.40	8	29.76	68	53.90	13
2	38.07	140	17.27	26	42.52	18	30.32	6	30.44	69	53.77	11
3	39.47	131	17.53	26	42.70	18	30.26	5	31.13	70	53.66	10
4	40.78	119	17.79	28	42.88	18	30.21	2	31.83	68	53.56	7
5	41.97	110	18.07	26	43.06	18	30.19	1	32.51	66	53.49	5
6	43.07	101	18.33	26	43.24	16	30.18	2	33.17	62	53.44	5
7	44.08	99	18.59	25	43.40	16	30.16	1	33.79	59	53.39	5
8	45.07	98	18.84	23	43.56	15	30.15	3	34.38	57	53.34	6
9	46.05	99	19.07	22	43.71	16	30.12	3	34.95	56	53.28	6
10	47.04	106	19.29	21	43.87	15	30.09	5	35.51	56	53.22	9
11	48.10	114	19.50	21	44.02	15	30.04	5	36.07	58	53.13	8
12	49.24	120	19.71	23	44.17	17	29.99	6	36.65	61	53.05	9
13	50.44	122	19.94	24	44.34	17	29.93	5	37.26	65	52.96	9
14	51.66	122	20.18	26	44.51	19	29.88	3	37.91	67	52.87	9
15	52.88	120	20.44	29	44.70	17	29.85	2	38.58	71	52.78	6
16	54.08	111	20.73	30	44.87	19	29.83	— 2	39.29	71	52.72	4
17	55.19	101	21.03	30	45.06	18	29.85	2	40.00	71	52.68	2
18	56.20	91	21.33	31	45.24	18	29.87	4	40.71	68	52.66	0
19	57.11	80	21.64	31	45.42	16	29.91	5	41.39	65	52.66	1
20	57.91	72	21.95	29	45.58	17	29.96	6	42.04	62	52.67	3
21	58.63	67	22.24	28	45.75	14	30.02	5	42.66	58	52.70	1
22	59.30	67	22.52	25	45.89	15	30.07	5	43.24	56	52.71	1
23	59.97	70	22.77	25	46.04	14	30.12	3	43.80	56	52.72	0
24	60.67	73	23.02	25	46.18	14	30.15	2	44.36	56	52.72	1
25	61.40	79	23.27	25	46.32	16	30.17	3	44.92	58	52.71	1
26	62.19	83	23.52	27	46.48	16	30.20	3	45.50	60	52.70	1
27	63.02	85	23.79	29	46.64	15	30.23	3	46.10	64	52.69	0
28	63.87	82	24.08	30	46.79	17	30.26	5	46.74	67	52.69	1
29	64.69	76	24.38	32	46.96	17	30.31	8	47.41	68	52.70	3
30	65.45	66	24.70	33	47.13	18	30.39	10	48.09	69	52.73	6
Juli 1	66.11		25.03		47.31		30.49		48.78		52.79	
O. K.	+ 1s.61 cos φ				+ 0s.15 cos φ				+ 0s.61 cos φ			
U. K.	— 1 .61 cos φ				— 0 .15 cos φ				— 0 .61 cos φ			

Obere Kulmination.

1908	σ Octantis. 6ᵐ. AR.		σ Octantis. Dekl.		β Octantis. 4ᵐ–5ᵐ. AR.		β Octantis. Dekl.		τ Octantis. 6ᵐ. AR.		τ Octantis. Dekl.	
	$19^h 15^m$		−89° 14′		$22^h 36^m$		−81° 51′		$23^h 14^m$		−87° 58′	
Juli 1	6.11	56	25.03	34	47.31	16	30.49	11	48.78	67	52.79	8
2	6.67	44	25.37	34	47.47	16	30.60	13	49.45	65	52.87	10
3	7.11	36	25.71	33	47.63	15	30.73	14	50.10	61	52.97	10
4	7.47	29	26.04	31	47.78	14	30.87	14	50.71	57	53.07	9
5	7.76	27	26.35	30	47.92	13	31.01	12	51.28	55	53.16	10
6	8.03	27	26.65	28	48.05	13	31.13	11	51.83	51	53.26	10
7	8.30	32	26.93	27	48.18	13	31.24	11	52.34	52	53.36	7
8	8.62	39	27.20	28	48.31	13	31.35	10	52.86	53	53.43	7
9	9.01	44	27.48	27	48.44	14	31.45	9	53.39	54	53.50	6
10	9.45	48	27.75	29	48.58	14	31.54	9	53.93	58	53.56	6
11	9.93	49	28.04	30	48.72	15	31.63	10	54.51	61	53.62	7
12	10.42	47	28.34	32	48.87	16	31.73	12	55.12	63	53.69	8
13	10.89	39	28.66	34	49.03	14	31.85	14	55.75	64	53.77	10
14	11.28	30	29.00	35	49.17	16	31.99	17	56.39	63	53.87	12
15	11.58	20	29.35	35	49.33	15	32.16	18	57.02	61	53.99	15
16	11.78	7	29.70	34	49.48	13	32.34	19	57.63	59	54.14	15
17	11.85	1	30.04	33	49.61	13	32.53	19	58.22	55	54.29	17
18	11.84	9	30.37	32	49.74	12	32.72	19	58.77	50	54.46	17
19	11.75	10	30.69	29	49.86	10	32.91	19	59.27	47	54.63	16
20	11.65	9	30.98	29	49.96	12	33.10	17	59.74	45	54.79	15
21	11.56	5	31.27	27	50.08	10	33.27	17	60.19	45	54.94	15
22	11.51	1	31.54	28	50.18	11	33.44	16	60.64	46	55.09	14
23	11.50	4	31.82	27	50.29	11	33.60	15	61.10	49	55.23	14
24	11.54	6	32.09	30	50.40	12	33.75	17	61.59	50	55.37	13
25	11.60	4	32.39	31	50.52	13	33.92	18	62.09	54	55.50	15
26	11.64	0	32.70	33	50.65	12	34.10	20	62.63	55	55.65	16
27	11.64	8	33.03	34	50.77	13	34.30	22	63.18	55	55.81	20
28	11.56	19	33.37	35	50.90	13	34.52	23	63.73	54	56.01	21
29	11.37	30	33.72	34	51.03	12	34.75	25	64.27	52	56.22	22
30	11.07	42	34.06	34	51.15	10	35.00	26	64.79	48	56.44	24
31	10.65	49	34.40	32	51.25	9	35.26	27	65.27	44	56.68	24
Aug. 1	10.16	53	34.72	31	51.34	9	35.53	26	65.71	39	56.92	24
2	9.63	54	35.03	28	51.43	8	35.79	24	66.10	37	57.16	23
3	9.09	50	35.31	27	51.51	7	36.03	24	66.47	36	57.39	21
4	8.59	45	35.58	26	51.58	8	36.27	22	66.83	35	57.60	21
5	8.14	38	35.84	26	51.66	8	36.49	20	67.18	36	57.81	19
6	7.76	33	36.10	26	51.74	9	36.69	20	67.54	39	58.00	19
7	7.43		36.36		51.83		36.89		67.93		58.19	
O. K.	$+1^s.62 \cos\varphi$				$+0^s.15 \cos\varphi$				$+0^s.61 \cos\varphi$			
U. K.	$-1.62 \cos\varphi$				$-0.15 \cos\varphi$				$-0.61 \cos\varphi$			

Obere Kulmination.

1908	σ Octantis. 6^m.				β Octantis. $4^m - 5^m$.				τ Octantis. 6^m.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$19^h\ 14^m$		$-89°\ 14'$		$22^h\ 36^m$		$-81°\ 51'$		$23^h\ 15^m$		$-87°\ 58'$	
Aug. 7	67.43	31	36.36	29	51.83	9	36.89	22	7.93	41	58.19	19
8	67.12	33	36.65	29	51.92	9	37.11	22	8.34	44	58.38	21
9	66.79	36	36.94	31	52.01	10	37.33	24	8.78	44	58.59	22
10	66.43	46	37.25	33	52.11	9	37.57	26	9.22	45	58.81	24
11	65.97	56	37.58	31	52.20	10	37.83	28	9.67	43	59.05	25
12	65.41	66	37.89	32	52.30	8	38.11	29	10.10	40	59.30	27
13	64.75	76	38.21	30	52.38	7	38.40	30	10.50	35	59.57	28
14	63.99	86	38.51	29	52.45	6	38.70	30	10.85	32	59.85	29
15	63.13	89	38.80	27	52.51	5	39.00	28	11.17	27	60.14	29
16	62.24	88	39.07	25	52.56	4	39.28	28	11.44	25	60.43	27
17	61.36	85	39.32	23	52.60	5	39.56	26	11.69	23	60.70	26
18	60.51	80	39.55	22	52.65	4	39.82	26	11.92	22	60.96	25
19	59.71	75	39.77	23	52.69	4	40.08	25	12.14	24	61.21	24
20	58.96	72	40.00	23	52.73	6	40.33	25	12.38	27	61.45	24
21	58.24	71	40.23	26	52.79	5	40.58	26	12.65	29	61.69	26
22	57.53	74	40.49	26	52.84	6	40.84	27	12.94	31	61.95	26
23	56.79	81	40.75	28	52.90	6	41.11	29	13.25	31	62.21	27
24	55.98	90	41.03	29	52.96	5	41.40	31	13.56	30	62.48	29
25	55.08	101	41.32	28	53.01	5	41.71	33	13.86	28	62.77	32
26	54.07	110	41.60	27	53.06	5	42.04	33	14.14	26	63.09	33
27	52.97	120	41.87	27	53.11	3	42.37	34	14.40	20	63.42	33
28	51.77	126	42.14	23	53.14	1	42.71	33	14.60	15	63.75	33
29	50.51	126	42.37	22	53.15	1	43.04	31	14.75	12	64.08	33
30	49.25	123	42.59	19	53.16	0	43.35	30	14.87	10	64.41	31
31	48.02	118	42.78	19	53.16	0	43.65	29	14.97	7	64.72	29
Sept. 1	46.84	111	42.97	17	53.16	1	43.94	27	15.04	10	65.01	27
2	45.73	105	43.14	17	53.17	1	44.21	26	15.14	10	65.28	27
3	44.68	100	43.31	19	53.18	1	44.47	27	15.24	13	65.55	26
4	43.68	98	43.50	20	53.19	1	44.74	27	15.37	15	65.81	26
5	42.70	102	43.70	21	53.20	2	45.01	28	15.52	16	66.07	29
6	41.68	107	43.91	21	53.22	1	45.29	30	15.68	17	66.36	29
7	40.61	117	44.12	23	53.23	1	45.59	32	15.85	16	66.65	31
8	39.44	127	44.35	22	53.24	2	45.91	33	16.01	12	66.96	33
9	38.17	137	44.57	21	53.26	0	46.24	34	16.13	8	67.29	34
10	36.80	145	44.78	18	53.26	0	46.58	33	16.21	3	67.63	34
11	35.35	149	44.96	17	53.26	1	46.91	32	16.24	0	67.97	36
12	33.86	149	45.13	14	53.25	3	47.23	31	16.24	4	68.23	40
13	32.37		45.27		53.22		47.54		16.20		68.63	
O. K.	$+1^s.62 \cos\varphi$				$+0^s.15 \cos\varphi$				$+0^s.61 \cos\varphi$			
U. K.	$-1\ .62 \cos\varphi$				$-0\ .15 \cos\varphi$				$-0\ .61 \cos\varphi$			

Obere Kulmination.

1908	σ Octantis. 6ᵐ. AR.		σ Octantis. 6ᵐ. Dekl.		β Octantis. 4ᵐ–5ᵐ. AR.		β Octantis. 4ᵐ–5ᵐ. Dekl.		τ Octantis. 6ᵐ. AR.		τ Octantis. 6ᵐ. Dekl.	
	19ʰ 13ᵐ		−89° 14′		22ʰ 36ᵐ		−81° 51′		23ʰ 15ᵐ		−87° 59′	
	s		″		s		″		s		″	
Sept. 13	92.37	147	45.27	13	53.22	4	47.54	29	16.20	7	8.63	31
14	90.90	140	45.40	11	53.18	3	47.83	28	16.13	6	8.94	30
15	89.50	134	45.51	11	53.15	4	48.11	27	16.07	6	9.24	28
16	88.16	129	45.62	11	53.11	3	48.38	26	16.01	5	9.52	28
17	86.87	125	45.73	13	53.08	3	48.64	27	15.96	2	9.80	28
18	85.62	127	45.86	13	53.05	2	48.91	27	15.94	1	10.08	28
19	84.35	130	45.99	14	53.03	1	49.18	30	15.93	−1	10.36	30
20	83.05	138	46.13	16	53.02	3	49.48	30	15.94	0	10.66	32
21	81.67	146	46.29	16	52.99	2	49.78	32	15.94	1	10.98	33
22	80.21	156	46.45	15	52.97	3	50.10	33	15.93	4	11.31	34
23	78.65	164	46.60	13	52.94	5	50.43	33	15.89	10	11.65	35
24	77.01	170	46.73	11	52.89	6	50.76	33	15.79	14	12.00	35
25	75.31	170	46.84	9	52.83	7	51.09	30	15.65	18	12.35	33
26	73.61	170	46.93	6	52.76	6	51.39	30	15.47	21	12.68	31
27	71.91	162	46.99	4	52.70	7	51.69	28	15.26	23	12.99	30
28	70.29	155	47.03	3	52.63	7	51.97	25	15.03	22	13.29	28
29	68.74	147	47.06	4	52.56	7	52.22	25	14.81	22	13.57	27
30	67.27	141	47.10	3	52.49	6	52.47	23	14.59	19	13.84	26
Okt. 1	65.86	135	47.13	5	52.43	6	52.70	23	14.40	17	14.10	26
2	64.51	135	47.18	6	52.37	6	52.93	25	14.23	15	14.36	26
3	63.16	138	47.24	6	52.31	5	53.18	26	14.08	14	14.62	27
4	61.78	145	47.30	6	52.26	5	53.44	27	13.94	16	14.89	29
5	60.33	154	47.36	7	52.21	7	53.71	28	13.78	16	15.18	30
6	58.79	162	47.43	7	52.14	7	53.99	29	13.62	21	15.48	31
7	57.17	169	47.50	4	52.07	8	54.28	28	13.41	25	15.79	31
8	55.48	173	47.54	1	51.99	9	54.56	27	13.16	30	16.10	31
9	53.75	174	47.55	−1	51.90	10	54.83	27	12.86	33	16.41	29
10	52.01	170	47.54	3	51.80	11	55.10	24	12.53	37	16.70	28
11	50.31	164	47.51	4	51.69	11	55.34	22	12.16	37	16.98	26
12	48.67	155	47.47	5	51.58	10	55.56	21	11.79	37	17.24	23
13	47.12	152	47.42	5	51.48	11	55.77	20	11.42	35	17.47	23
14	45.60	139	47.37	5	51.37	9	55.97	20	11.07	33	17.70	23
15	44.21	141	47.32	3	51.28	9	56.17	19	10.74	31	17.93	23
16	42.80	140	47.29	3	51.19	8	56.36	21	10.43	29	18.16	23
17	41.40	145	47.26	2	51.11	8	56.57	22	10.14	29	18.39	25
18	39.95	152	47.24	1	51.03	9	56.79	24	9.85	30	18.64	26
19	38.43	159	47.23	1	50.94	9	57.03	24	9.55	32	18.90	27
20	36.84		47.22		50.85		57.27		9.23		19.17	
O. K.	+ 1ˢ.63 cos φ				+ 0ˢ.15 cos φ				+ 0ˢ.61 cos φ			
U. K.	− 1 .63 cos φ				− 0 .15 cos φ				− 0 .61 cos φ			

Obere Kulmination.

1908	σ Octantis. 6^m. AR.		σ Octantis. Dekl.		β Octantis. 4^m-5^m. AR.		β Octantis. Dekl.		τ Octantis. 6^m. AR.		τ Octantis. Dekl.	
	$19^h\ 12^m$		$-89°\ 14'$		$22^h\ 36^m$		$-81°\ 51'$		$23^h\ 14^m$		$-87°\ 59'$	
Okt. 20	96.84	167	47.22	2	50.85	11	57.27	24	69.23	37	19.17	27
21	95.17	171	47.20	5	50.74	12	57.51	23	68.86	40	19.44	27
22	93.46	175	47.15	8	50.62	12	57.74	23	68.46	44	19.71	26
23	91.71	171	47.07	9	50.50	13	57.97	21	68.02	47	19.97	25
24	90.00	165	46.98	12	50.37	12	58.18	18	67.55	51	20.22	22
25	88.35	155	46.86	13	50.25	14	58.36	16	67.04	50	20.44	21
26	86.80	146	46.73	14	50.11	13	58.52	14	66.54	49	20.65	19
27	85.34	136	46.59	14	49.98	12	58.66	13	66.05	46	20.84	16
28	83.98	128	46.45	13	49.86	12	58.79	14	65.59	44	21.00	16
29	82.70	126	46.32	12	49.74	10	58.93	13	65.15	42	21.16	16
30	81.44	125	46.20	10	49.64	11	59.06	13	64.73	40	21.32	17
31	80.19	129	46.10	10	49.53	10	59.19	14	64.33	41	21.49	17
Nov. 1	78.90	136	46.00	10	49.43	11	59.33	16	63.92	40	21.66	19
2	77.54	142	45.90	10	49.32	12	59.49	17	63.52	44	21.85	20
3	76.12	149	45.80	13	49.20	12	59.66	16	63.08	48	22.05	20
4	74.63	150	45.67	14	49.08	14	59.82	14	62.60	51	22.25	19
5	73.13	151	45.53	16	48.94	15	59.96	14	62.09	56	22.44	19
6	71.62	148	45.37	19	48.79	14	60.10	12	61.53	58	22.63	16
7	70.14	141	45.18	20	48.65	15	60.22	10	60.95	59	22.79	14
8	68.73	132	44.98	22	48.50	15	60.32	7	60.36	59	22.93	12
9	67.41	123	44.76	22	48.35	13	60.39	7	59.77	58	23.05	10
10	66.18	113	44.54	20	48.22	14	60.46	6	59.19	56	23.15	10
11	65.05	108	44.34	20	48.08	13	60.52	6	58.63	52	23.25	9
12	63.97	106	44.14	20	47.95	12	60.58	6	58.11	50	23.34	9
13	62.91	107	43.94	17	47.83	13	60.64	8	57.61	48	23.43	11
14	61.84	113	43.77	17	47.70	12	60.72	8	57.13	48	23.54	12
15	60.71	117	43.60	17	47.58	12	60.80	9	56.65	49	23.66	12
16	59.54	126	43.43	17	47.46	13	60.89	11	56.16	53	23.78	13
17	58.28	129	43.26	20	47.33	14	61.00	8	55.63	57	23.91	13
18	56.99	129	43.06	22	47.19	15	61.08	7	55.06	60	24.04	12
19	55.70	128	42.84	24	47.04	16	61.15	6	54.46	63	24.16	11
20	54.42	121	42.60	25	46.88	16	61.21	4	53.83	65	24.27	8
21	53.21	111	42.35	28	46.72	15	61.25	1	53.18	65	24.35	6
22	52.10	101	42.07	29	46.57	16	61.26	2	52.53	64	24.41	3
23	51.09	88	41.78	28	46.41	14	61.24	2	51.89	63	24.44	1
24	50.21	79	41.50	27	46.27	14	61.22	4	51.26	59	24.45	2
25	49.42	73	41.23	26	46.13	12	61.18	4	50.67	56	24.47	0
26	48.69		40.97		46.01		61.14		50.11		24.47	
O. K.	+ 1ˢ.63 cos φ				+ 0ˢ.15 cos φ				+ 0ˢ.61 cos φ			
U. K.	— 1 .63 cos φ				— 0 .15 cos φ				— 0 .61 cos φ			

Obere Kulmination.

1908	σ Octantis. 6ᵐ.				β Octantis. 4ᵐ–5ᵐ.				τ Octantis. 6ᵐ.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$19^h\ 12^m$		$-89°\ 14'$		$22^h\ 36^m$		$-81°\ 51'$		$23^h\ 14^m$		$-87°\ 59'$	
Nov. 26	48.69	70	40.97	25	46.01	13	61.14	2	50.11	53	24.47	1
27	47.99	71	40.72	24	45.88	12	61.12	2	49.58	52	24.48	0
28	47.28	74	40.48	23	45.76	12	61.10	1	49.06	52	24.48	2
29	46.54	80	40.25	24	45.64	13	61.09	0	48.54	53	24.50	3
30	45.74	85	40.01	25	45.51	13	61.09	1	48.01	57	24.53	3
Dez. 1	44.89	89	39.76	26	45.38	14	61.08	1	47.44	60	24.56	3
2	44.00	89	39.50	28	45.24	15	61.07	3	46.84	63	24.59	2
3	43.11	86	39.22	30	45.09	16	61.04	4	46.21	66	24.61	— 1
4	42.25	79	38.92	32	44.93	14	61.00	6	45.55	66	24.60	2
5	41.46	68	38.60	33	44.79	16	60.94	9	44.89	67	24.58	4
6	40.78	59	38.27	34	44.63	14	60.85	11	44.22	66	24.54	5
7	40.19	49	37.93	33	44.49	15	60.74	11	43.56	62	24.49	8
8	39.70	39	37.60	31	44.34	12	60.63	11	42.94	59	24.41	8
9	39.31	35	37.29	31	44.22	12	60.52	12	42.35	56	24.33	9
10	38.96	34	36.98	29	44.10	11	60.40	10	41.79	53	24.24	7
11	38.62	38	36.69	28	43.99	12	60.30	10	41.26	51	24.17	7
12	38.24	41	36.41	27	43.87	11	60.20	8	40.75	53	24.10	5
13	37.83	47	36.14	27	43.76	12	60.12	9	40.22	54	24.05	5
14	37.36	52	35.87	29	43.64	13	60.03	7	39.68	57	24.00	5
15	36.84	53	35.58	30	43.51	14	59.96	9	39.11	59	23.95	4
16	36.31	52	35.28	32	43.37	13	59.87	10	38.52	63	23.91	7
17	35.79	47	34.96	34	43.24	15	59.77	13	37.89	65	23.84	9
18	35.32	36	34.62	36	43.09	14	59.64	15	37.24	64	23.75	11
19	34.96	25	34.26	36	42.95	13	59.49	17	36.60	65	23.64	13
20	34.71	13	33.90	37	42.82	13	59.32	18	35.95	62	23.51	15
21	34.58	2	33.53	36	42.69	12	59.14	20	35.33	58	23.36	17
22	34.56	— 6	33.17	34	42.57	12	58.94	21	34.75	54	23.19	17
23	34.62	12	32.83	33	42.45	10	58.73	20	34.21	51	23.02	18
24	34.74	13	32.50	31	42.35	9	58.53	19	33.70	49	22.84	16
25	34.87	10	32.19	30	42.26	10	58.34	18	33.21	47	22.68	16
26	34.97	7	31.89	30	42.16	9	58.16	17	32.74	47	22.52	15
27	35.04	0	31.59	30	42.07	10	57.99	18	32.27	50	22.37	15
28	35.04	3	31.29	32	41.97	11	57.81	17	31.77	51	22.22	14
29	35.01	4	30.97	32	41.86	12	57.64	18	31.26	55	22.08	15
30	34.97	3	30.65	34	41.74	12	57.46	19	30.71	58	21.93	17
31	34.94	— 4	30.31	37	41.62	12	57.27	22	30.13	59	21.76	18
32	34.98	13	29.94	38	41.50	11	57.05	23	29.54	60	21.58	21
33	35.11		29.56		41.39		56.82		28.94		21.37	
O. K.	+ 1ˢ.62 cos φ				+ 0ˢ.15 cos φ				+ 0ˢ.61 cos φ			
U. K.	— 1 .62 cos φ				— 0 .15 cos φ				— 0 .61 cos φ			

1908	α Andromed. 2ᵐ.1. AR.		Dekl. +		β Cassiopej. 2ᵐ.2. AR.		Dekl. +		ε Phoenicis. 3ᵐ.8. AR.		Dekl. —		γ Pegasi. 2ᵐ.7. AR.		Dekl. +	
	$0^h\,3^m$		28° 34′		$0^h\,4^m$		58° 38′		$0^h\,4^m$		46° 14′		$0^h\,8^m$		14° 40′	
Jan. 1	36.64	14	58.9	9	14.63	32	42.3	7	43.15	19	100.6	4	28.67	12	16.6	9
11	36.50	14	58.0	12	14.31	31	41.6	13	42.96	18	100.2	8	28.55	11	15.7	9
21	36.36	12	56.8	15	14.00	29	40.3	18	42.78	15	99.4	13	28.44	11	14.8	11
31	36.24	11	55.3	15	13.71	25	38.5	21	42.63	13	98.1	16	28.33	8	13.7	10
Febr. 10	36.13	8	53.8	16	13.46	20	36.4	24	42.50	9	96.5	21	28.25	7	12.7	10
20	36.05	5	52.2	17	13.26	14	34.0	27	42.41	6	94.4	23	28.18	4	11.7	10
März 1	36.00	1	50.5	15	13.12	7	31.3	27	42.35	1	92.1	26	28.14	1	10.7	8
11	35.99	— 3	49.0	14	13.05	— 1	28.6	27	42.34	— 3	89.5	29	28.13	— 3	9.9	6
21	36.02	8	47.6	13	13.06	10	25.9	28	42.37	9	86.6	33	28.16	8	9.3	4
31	[21] 36.10	12	46.3	9	[21] 13.16	17	23.1	23	[21] 42.46	14	83.3	30	[22] 28.24	11	8.9	1
April 10	36.22	18	45.4	6	13.33	24	20.8	19	42.60	19	80.3	32	28.35	16	8.8	— 2
20	36.40	21	44.8	1	13.57	32	18.9	16	42.79	24	77.1	30	28.51	19	9.0	5
30	36.61	25	44.7	— 2	13.89	38	17.3	11	43.03	29	74.1	30	28.70	23	9.5	8
Mai 10	36.86	29	44.9	6	14.27	43	16.2	5	43.32	32	71.1	28	28.93	27	10.3	12
20	37.15	31	45.5	10	14.70	46	15.7	0	43.64	37	68.3	26	29.20	29	11.5	14
30	37.46	34	46.5	13	15.16	51	15.7	5	44.01	39	65.7	23	29.49	31	12.9	17
Juni 9	37.80	33	47.8	17	15.67	49	16.2	10	44.40	41	63.4	20	29.80	32	14.6	19
19	38.13	34	49.5	19	16.16	49	17.2	15	44.81	41	61.4	15	30.12	32	16.5	20
29	38.47	34	51.4	22	16.65	48	18.7	20	45.22	41	59.9	11	30.44	31	18.5	21
Juli 9	38.81	31	53.6	23	17.13	46	20.7	23	45.63	39	58.8	6	30.75	30	20.6	22
19	39.12	29	55.9	25	17.59	41	23.0	27	46.02	37	58.2	2	31.05	28	22.8	21
29	39.41	26	58.4	25	18.00	37	25.7	29	46.39	34	58.0	— 3	31.33	25	24.9	22
Aug. 8	39.67	22	60.9	25	18.37	30	28.6	32	46.73	29	58.3	8	31.58	21	27.1	19
18	39.89	18	63.4	25	18.67	25	31.8	33	47.02	24	59.1	12	31.79	18	29.0	19
28	40.07	14	65.9	24	18.92	20	35.1	34	47.26	19	60.3	16	31.97	14	30.9	17
Sept. 7	40.21	10	68.3	22	19.12	12	38.5	35	47.45	12	61.9	19	32.11	11	32.6	15
17	40.31	6	70.5	20	19.24	6	42.0	33	47.57	9	63.8	21	32.22	6	34.1	13
27	40.37	3	72.5	19	19.30	0	45.3	32	47.66	1	65.9	24	32.28	4	35.4	10
Okt. 7	40.40	— 1	74.4	16	19.30	5	48.5	31	47.67	— 3	68.3	23	32.32	0	36.4	8
17	40.39	4	76.0	13	19.25	11	51.6	27	47.64	9	70.6	23	32.32	3	37.2	6
27	40.35	7	77.3	11	19.14	17	54.3	25	47.55	12	72.9	21	32.29	5	37.8	4
Nov. 6	40.28	10	78.4	8	18.97	21	56.8	20	47.43	15	75.0	19	32.24	8	38.2	1
16	40.18	11	79.2	5	18.76	24	58.8	16	47.28	18	76.9	16	32.16	9	38.3	0
26	40.07	12	79.7	1	18.52	28	60.4	12	47.10	19	78.5	13	32.07	10	38.3	3
Dez. 6	39.95	14	79.8	— 2	18.24	30	61.6	6	46.91	20	79.8	7	31.97	11	38.0	4
16	39.81	14	79.6	5	17.94	32	62.2	1	46.71	20	80.5	3	31.86	12	37.6	6
26	39.67	14	79.1	8	17.62	32	62.3	— 5	46.51	20	80.8	— 1	31.74	11	37.0	8
36	39.53		78.3		17.30		61.8		46.31		80.7		31.63		36.2	
Mittl. Ort	37.77		57.1		15.71		32.4		44.61		78.4		29.80		19.4	
	1)				2)				3)				7)			

1908	ι Ceti. $3^m.5$.				ζ Tucanae. $4^m.2$.				β Hydri. $2^m.8$.				α Phoenicis. $2^m.3$.			
	AR.		Dekl. —		AR.		Dekl. —		AR.		Dekl. —		AR.		Dekl. —	
	$0^h\ 14^m$		9° 19′		$0^h\ 15^m$		65° 24′		$0^h\ 20^m$		77° 45′		$0^h\ 21^m$		42° 48′	
Jan. 1	43.28 s	12	73.6″	5	15.29 s	39	81.7″	8	53.72 s	88	107.4″	10	43.02 s	18	42.1″	1
11	43.16	10	74.1	4	14.90	36	80.9	14	52.84	81	106.4	17	42.84	18	42.0	5
21	43.06	10	74.5	2	14.54	33	79.5	19	52.03	73	104.7	21	42.66	16	41.5	10
31	42.96	8	74.7	1	14.21	27	77.6	24	51.30	63	102.6	27	42.50	13	40.5	14
Febr. 10	42.88	6	74.8	—2	13.94	22	75.2	27	50.67	51	99.9	31	42.37	11	39.1	18
20	42.82	4	74.6	3	13.72	16	72.5	30	50.16	38	96.8	33	42.26	7	37.3	21
März 1	42.78	1	74.3	6	13.56	7	69.5	34	49.78	23	93.5	36	42.19	4	35.2	24
11	42.77	—2	73.7	9	13.49	0	66.1	36	49.55	8	89.9	38	42.15	—1	32.8	27
21	42.79	7	72.8	12	13.49	9	62.5	42	49.47	—9	86.1	43	42.16	6	30.1	31
31	[21] 42.86	11	71.6	13	[21] 13.58	17	58.3	36	[26] 49.56	25	81.8	38	[26] 42.22	11	27.0	30
April 10	42.97	15	70.3	15	13.75	25	54.7	36	49.81	40	78.0	37	42.33	16	24.0	31
20	43.12	18	68.8	18	14.00	33	51.1	35	50.21	56	74.3	35	42.49	21	20.9	30
30	43.30	22	67.0	19	14.33	41	47.6	33	50.77	69	70.8	33	42.70	26	17.9	31
Mai 10	43.52	26	65.1	20	14.74	47	44.3	30	51.46	82	67.5	30	42.96	30	14.8	28
20	43.78	28	63.1	21	15.21	53	41.3	27	52.28	92	64.5	26	43.26	33	12.0	27
30	44.06	30	61.0	22	15.74	57	38.6	23	53.20	102	61.9	21	43.59	37	9.3	25
Juni 9	44.36	31	58.8	21	16.31	60	36.3	18	54.22	108	59.8	17	43.96	38	6.8	21
19	44.67	32	56.7	20	16.91	63	34.5	13	55.30	112	58.1	11	44.34	37	4.7	18
29	44.99	31	54.7	19	17.54	62	33.2	8	56.42	113	57.0	5	44.73	39	2.9	13
Juli 9	45.30	31	52.8	17	18.16	61	32.4	2	57.55	110	56.5	—1	45.12	39	1.6	9
19	45.61	28	51.1	15	18.77	57	32.2	—3	58.65	106	56.6	6	45.51	36	0.7	5
29	45.89	25	49.6	13	19.34	53	32.5	9	59.71	97	57.2	12	45.87	33	0.2	—1
Aug. 8	46.14	23	48.3	9	19.87	46	33.4	14	60.68	86	58.4	17	46.20	29	0.3	5
18	46.37	18	47.4	7	20.33	39	34.8	18	61.54	72	60.1	21	46.49	25	0.8	10
28	46.55	16	46.7	4	20.72	30	36.6	23	62.26	57	62.2	25	46.74	20	1.8	14
Sept. 7	46.71	11	46.3	0	21.02	21	38.9	25	62.83	38	64.7	29	46.94	14	3.2	18
17	46.82	8	46.3	1	21.23	12	41.4	27	63.21	20	67.6	29	47.08	10	5.0	18
27	46.90	3	46.4	4	21.35	2	44.1	29	63.41	1	70.5	31	47.18	4	6.8	22
Okt. 7	46.93	1	46.8	6	21.37	—8	47.0	28	63.42	—18	73.6	30	47.22	—1	9.0	23
17	46.94	—2	47.4	8	21.29	15	49.8	27	63.24	35	76.6	28	47.21	5	11.3	22
27	46.92	5	48.2	8	21.14	24	52.5	25	62.89	51	79.4	26	47.16	9	13.5	22
Nov. 6	46.87	7	49.0	9	20.90	28	55.0	21	62.38	65	82.0	22	47.07	13	15.7	20
16	46.80	9	49.9	9	20.62	36	57.1	17	61.73	77	84.2	16	46.94	15	17.7	17
26	46.71	9	50.8	9	20.26	38	58.8	12	60.96	84	85.8	11	46.79	16	19.4	14
Dez. 6	46.62	11	51.7	8	19.88	40	60.0	6	60.12	89	86.9	5	46.63	19	20.8	10
16	46.51	11	52.5	7	19.48	40	60.6	1	59.23	90	87.4	—1	46.44	18	21.8	5
26	46.40	11	53.2	6	19.08	40	60.7	—6	58.33	89	87.3	7	46.26	19	22.3	1
36	46.29		53.8		18.68		60.1		57.44		86.6		46.07		22.4	
Mittl. Ort	44.43		62.2		16.92		55.9		55.81		80.5		44.27		20.5	
	9)				10)				11)				12)			

1908	12 Ceti. 6ᵐ.1. AR.		Dekl. —		ζ Cassiopej. 3ᵐ.8. AR.		Dekl. +		π Andromed. 4ᵐ.2. AR.		Dekl. +		δ Andromed. 3ᵐ.2. AR.		Dekl. +	
	0ʰ 25ᵐ		4° 27′		0ʰ 31ᵐ		53° 23′		0ʰ 31ᵐ		33° 12′		0ʰ 34ᵐ		30° 21′	
Jan. 1	19.54ˢ	11	66.0″	7	49.49ˢ	27	35.1″	5	56.88ˢ	16	49.8″	7	23.36ˢ	15	29.9″	7
11	19.43	11	66.7	5	49.22	27	34.6	10	56.72	16	49.1	10	23.21	16	29.2	10
21	19.32	10	67.2	4	48.95	26	33.6	14	56.56	16	48.1	13	23.05	14	28.2	12
31	19.22	9	67.6	2	48.69	23	32.2	19	56.40	13	46.8	15	22.91	13	27.0	15
Febr. 10	19.13	7	67.8	1	48.46	20	30.3	21	56.27	12	45.3	16	22.78	11	25.5	15
20	19.06	5	67.9	— 1	48.26	15	28.2	23	56.15	8	43.7	17	22.67	8	24.0	16
März 1	19.01	2	67.8	3	48.11	9	25.9	24	56.07	5	42.0	17	22.59	5	22.4	15
11	18.99	— 2	67.5	5	48.02	3	23.5	25	56.02	1	40.3	16	22.54	1	20.9	15
21	19.01	6	67.0	8	47.99	— 4	21.0	26	56.01	— 5	38.7	16	22.53	— 5	19.4	14
31	[27] 19.07	9	66.2	11	[29] 48.03	11	18.4	21	[29] 56.06	10	37.1	11	[30] 22.58	9	18.0	10
April 10	19.16	14	65.1	13	48.14	19	16.3	19	56.16	15	36.0	9	22.67	15	17.0	7
20	19.30	17	63.8	15	48.33	25	14.4	15	56.31	19	35.1	6	22.82	19	16.3	4
30	19.47	21	62.3	17	48.58	31	12.9	10	56.50	24	34.5	1	23.01	23	15.9	0
Mai 10	19.68	25	60.6	19	48.89	36	11.9	6	56.74	28	34.4	— 3	23.24	27	15.9	3
20	19.93	27	58.7	20	49.25	40	11.3	2	57.02	31	34.7	6	23.51	30	16.2	8
30	20.20	30	56.7	20	49.65	43	11.1	— 4	57.33	34	35.3	10	23.81	33	17.0	11
Juni 9	20.50	31	54.7	21	50.08	45	11.5	9	57.67	35	36.3	14	24.14	34	18.1	14
19	20.81	31	52.6	21	50.53	45	12.4	13	58.02	35	37.7	17	24.48	35	19.5	17
29	21.12	32	50.5	20	50.98	45	13.7	17	58.37	35	39.4	20	24.83	34	21.2	20
Juli 9	21.44	30	48.5	18	51.43	43	15.4	21	58.72	34	41.4	22	25.17	33	23.2	22
19	21.74	28	46.7	17	51.86	39	17.5	25	59.06	31	43.6	24	25.50	31	25.4	23
29	22.02	26	45.0	14	52.25	37	20.0	27	59.37	29	46.0	25	25.81	29	27.7	24
Aug. 8	22.28	23	43.6	12	52.62	32	22.7	29	59.66	25	48.5	25	26.10	25	30.1	25
18	22.51	20	42.4	10	52.94	27	25.6	31	59.91	22	51.0	25	26.35	21	32.6	24
28	22.71	16	41.4	6	53.21	22	28.7	32	60.13	18	53.5	25	26.56	18	35.0	24
Sept. 7	22.87	12	40.8	4	53.43	16	31.9	32	60.31	13	56.0	24	26.74	14	37.4	23
17	22.99	9	40.4	1	53.59	12	35.1	31	60.44	10	58.4	23	26.88	10	39.7	21
27	23.08	5	40.3	— 1	53.71	6	38.2	31	60.54	6	60.7	21	26.98	6	41.8	19
Okt. 7	23.13	1	40.4	3	53.77	0	41.3	29	60.60	2	62.8	20	27.04	3	43.7	18
17	23.14	— 1	40.7	5	53.77	4	44.2	27	60.62	— 1	64.8	16	27.07	— 1	45.5	15
27	23.13	4	41.2	6	53.73	9	46.9	24	60.61	5	66.4	14	27.06	4	47.0	13
Nov. 6	23.09	6	41.8	7	53.64	13	49.3	20	60.56	7	67.8	12	27.02	6	48.3	10
16	23.03	8	42.5	8	53.51	17	51.3	17	60.49	9	69.0	8	26.96	9	49.3	7
26	22.95	9	43.3	8	53.34	21	53.0	13	60.40	12	69.8	5	26.87	11	50.0	4
Dez. 6	22.86	10	44.1	7	53.13	23	54.3	8	60.28	14	70.3	1	26.76	13	50.4	1
16	22.76	10	44.8	8	52.90	25	55.1	2	60.14	14	70.4	— 2	26.63	14	50.5	— 3
26	22.66	11	45.6	6	52.65	27	55.3	— 2	60.00	16	70.2	5	26.49	15	50.2	5
36	22.55		46.2		52.38		55.1		59.84		69.7		26.34		49.7	
Mittl. Ort	20.62		56.3		50.37		26.4		57.83		46.7		24.31		27.6	
	13)				17)				18)				20)			

1908	α Cassiopej. (2ᵐ.2). AR.		Dekl. +		β Ceti. 2ᵐ.2. AR.		Dekl. —	
	0ʰ 35ᵐ		56° 1′		0ʰ 38ᵐ		18° 29′	
	s		″		s		″	
Jan. 1	15.93	30	67.6	4	57.29	12	44.1	5
11	15.63	29	67.2	9	57.17	12	44.6	2
21	15.34	29	66.3	14	57.05	12	44.8	0
31	15.05	25	64.9	18	56.93	10	44.8	3
Febr. 10	14.80	22	63.1	21	56.83	9	44.5	6
20	14.58	17	61.0	24	56.74	6	43.9	9
März 1	14.41	11	58.6	25	56.68	4	43.0	11
11	14.30	5	56.1	25	56.64	0	41.9	13
21	14.25	4	53.6	27	56.64	4	40.6	16
31	30 14.29	11	50.9	23	56.68	9	39.0	20
April 10	14.40	18	48.6	20	31 56.77	12	37.0	21
20	14.58	26	46.6	16	56.89	16	34.9	22
30	14.84	32	45.0	12	57.05	21	32.7	23
Mai 10	15.16	38	43.8	7	57.26	24	30.4	24
20	15.54	42	43.1	3	57.50	27	28.0	24
30	15.96	46	42.8	2	57.77	30	25.6	23
Juni 9	16.42	47	43.0	8	58.07	32	23.3	23
19	16.89	48	43.8	12	58.39	33	21.0	21
29	17.37	47	45.0	17	58.71	33	18.9	19
Juli 9	17.84	45	46.7	20	59.04	32	17.0	16
19	18.29	42	48.7	24	59.36	30	15.4	13
29	18.71	39	51.1	28	59.66	28	14.1	10
Aug. 8	19.10	34	53.9	29	59.94	25	13.1	6
18	19.44	29	56.8	31	60.19	21	12.5	3
28	19.73	24	59.9	32	60.40	18	12.2	1
Sept. 7	19.97	18	63.1	33	60.58	14	12.3	4
17	20.15	12	66.4	32	60.72	10	12.7	7
27	20.27	7	69.6	32	60.82	6	13.4	10
Okt. 7	20.34	0	72.8	30	60.88	3	14.4	11
17	20.34	4	75.8	28	60.91	0	15.5	12
27	20.30	10	78.6	25	60.91	3	16.7	14
Nov. 6	20.20	14	81.1	22	60.88	6	18.1	13
16	20.06	18	83.3	18	60.82	8	19.4	13
26	19.88	22	85.1	14	60.74	10	20.7	11
Dez. 6	19.66	25	86.5	9	60.64	11	21.8	10
16	19.41	27	87.4	4	60.53	12	22.8	8
26	19.14	29	87.8	1	60.41	12	23.6	6
36	18.85		87.7		60.29		24.2	
Mittl. Ort	16.77		58.4	21)	58.32		29.4	22)

1908	21 Cassiopej. 5ᵐ.8. AR.		Dekl. +		o Cassiopej. 4ᵐ.7. AR.		Dekl. +	
	0ʰ 39ᵐ		74° 28′		0ʰ 39ᵐ		47° 46′	
	s		″		s		″	
Jan. 1	32.80	73	79.3	0	34.75	23	58.6	4
11	32.07	73	79.3	6	34.52	22	58.2	10
21	31.34	70	78.7	12	34.30	22	57.2	13
31	30.64	64	77.5	17	34.08	21	55.9	17
Febr. 10	30.00	55	75.8	22	33.87	17	54.2	20
20	29.45	45	73.6	26	33.70	13	52.2	21
März 1	29.00	31	71.0	29	33.57	9	50.1	22
11	28.69	17	68.1	29	33.48	3	47.9	23
21	28.52	2	65.2	30	33.45	3	45.6	21
31	28.50	16	62.2	31	33.48	10	43.5	21
April 10	31 28.66	31	59.1	26	31 33.58	16	41.4	16
20	28.97	45	56.5	23	33.74	22	39.8	13
30	29.42	58	54.2	19	33.96	27	38.5	9
Mai 10	30.00	68	52.3	15	34.23	32	37.6	5
20	30.68	77	50.8	9	34.55	37	37.1	1
30	31.45	83	49.9	3	34.92	39	37.2	5
Juni 9	32.28	87	49.6	2	35.31	41	37.7	9
19	33.15	88	49.8	7	35.72	41	38.6	13
29	34.03	87	50.5	13	36.13	41	39.9	18
Juli 9	34.90	84	51.8	17	36.54	40	41.7	21
19	35.74	79	53.5	22	36.94	37	43.8	24
29	36.53	72	55.7	26	37.31	34	46.2	26
Aug. 8	37.25	63	58.3	30	37.65	31	48.8	28
18	37.88	54	61.3	32	37.96	26	51.6	29
28	38.42	43	64.5	35	38.22	21	54.5	30
Sept. 7	38.85	33	68.0	36	38.43	16	57.5	30
17	39.18	21	71.6	37	38.59	12	60.5	29
27	39.39	9	75.3	37	38.71	7	63.4	28
Okt. 7	39.48	3	79.0	36	38.78	3	66.2	27
17	39.45	15	82.6	35	38.81	2	68.9	24
27	39.30	26	86.1	32	38.79	6	71.3	22
Nov. 6	39.04	37	89.3	29	38.73	10	73.5	18
16	38.67	47	92.2	25	38.63	14	75.3	15
26	38.20	56	94.7	20	38.49	16	76.8	12
Dez. 6	37.64	63	96.7	16	38.33	18	78.0	6
16	37.01	69	98.3	9	38.15	21	78.6	2
26	36.32	72	99.2	3	37.94	22	78.8	2
36	35.60		99.5		37.72		78.6	
Mittl. Ort	33.36		66.9	24)	35.61		51.3	25)

1908	ζ Andromed. 4ᵐ.1. AR.	Diff.	ζ Andromed. Dekl. +	Diff.	γ Cassiopej. 2ᵐ.0. AR.	Diff.	γ Cassiopej. Dekl. +	Diff.
	0ʰ 42ᵐ		23° 45′		0ʰ 51ᵐ		60° 12′	
Jan. 1	26ˢ.64	13	60″.5	7	8ˢ.17	35	77″.3	2
11	26.51	14	59.8	9	7.82	35	77.1	7
21	26.37	14	58.9	11	7.47	34	76.4	12
31	26.23	12	57.8	12	7.13	31	75.2	16
Febr. 10	26.11	11	56.6	12	6.82	28	73.6	20
20	26.00	7	55.4	13	6.54	22	71.6	23
März 1	25.93	5	54.1	12	6.32	16	69.3	26
11	25.88	1	52.9	11	6.16	9	66.7	26
21	25.87	—3	51.8	9	6.07	0	64.1	26
31	25.90	8	50.9	8	6.07	10	61.5	26
April 10	25.98	13	50.1	3	6.17	17	58.9	22
20	26.11	18	49.8	1	6.34	26	56.7	19
30	26.29	21	49.7	—3	6.60	33	54.8	15
Mai 10	26.50	26	50.0	6	6.93	39	53.3	10
20	26.76	28	50.6	9	7.32	45	52.3	6
30	27.04	31	51.5	13	7.77	49	51.7	1
Juni 9	27.35	33	52.8	16	8.26	51	51.6	—5
19	27.68	33	54.4	18	8.77	53	52.1	9
29	28.01	33	56.2	19	9.30	52	53.0	14
Juli 9	28.34	32	58.1	21	9.82	51	54.4	19
19	28.66	30	60.2	22	10.33	48	56.3	22
29	28.96	28	62.4	23	10.81	44	58.5	25
Aug. 8	29.24	25	64.7	22	11.25	40	61.0	29
18	29.49	22	66.9	22	11.65	34	63.9	30
28	29.71	18	69.1	21	11.99	29	66.9	32
Sept. 7	29.89	14	71.2	19	12.28	23	70.1	34
17	30.03	11	73.1	18	12.51	16	73.5	33
27	30.14	7	74.9	15	12.67	10	76.8	33
Okt. 7	30.21	3	76.4	14	12.77	4	80.1	32
17	30.24	1	77.8	12	12.81	—2	83.3	30
27	30.25	—3	79.0	9	12.79	8	86.3	28
Nov. 6	30.22	5	79.9	7	12.71	14	89.1	25
16	30.17	7	80.6	4	12.57	19	91.6	21
26	30.10	9	81.0	2	12.38	24	93.7	16
Dez. 6	30.01	11	81.2	—1	12.14	28	95.3	12
16	29.90	13	81.1	3	11.86	31	96.5	7
26	29.77	13	80.8	6	11.55	33	97.2	1
36	29.64		80.2		11.22		97.3	
Mittl. Ort	27.56		60.4		8.85		67.3	
	27)				32)			

1908	μ Andromed. 3ᵐ.9. AR.	Diff.	μ Andromed. Dekl. +	Diff.	α Sculptoris. 4ᵐ.1. AR.	Diff.	α Sculptoris. Dekl. −	Diff.
	0ʰ 51ᵐ		37° 59′		0ʰ 54ᵐ		29° 50′	
Jan. 1	37ˢ.73	18	66″.3	6	9ˢ.47	15	95″.0	4
11	37.55	18	65.7	8	9.32	15	95.4	1
21	37.37	17	64.9	12	9.17	15	95.5	—3
31	37.20	17	63.7	14	9.02	13	95.2	7
Febr. 10	37.03	14	62.3	16	8.89	11	94.5	11
20	36.89	11	60.7	18	8.78	9	93.4	14
März 1	36.78	8	58.9	18	8.69	6	92.0	16
11	36.70	3	57.1	18	8.63	3	90.4	20
21	36.67	—2	55.3	16	8.60	—2	88.4	22
31	36.69	8	53.7	16	8.62	6	86.2	26
April 10	36.77	13	52.1	12	8.68	11	83.6	27
20	36.90	18	50.9	9	8.79	15	80.9	27
30	37.08	24	50.0	5	8.94	20	78.2	28
Mai 10	37.32	27	49.5	1	9.14	24	75.4	28
20	37.59	32	49.4	—4	9.38	28	72.6	27
30	37.91	34	49.8	7	9.66	30	69.9	26
Juni 9	38.25	36	50.5	11	9.96	33	67.3	24
19	38.61	37	51.6	14	10.29	34	64.9	21
29	38.98	37	53.0	18	10.63	34	62.8	18
Juli 9	39.35	36	54.8	21	10.97	35	61.0	15
19	39.71	34	56.9	22	11.32	33	59.5	11
29	40.05	31	59.1	25	11.65	30	58.4	7
Aug. 8	40.36	29	61.6	25	11.95	28	57.7	2
18	40.65	24	64.1	26	12.23	24	57.5	—2
28	40.89	21	66.7	26	12.47	21	57.7	6
Sept. 7	41.10	17	69.3	26	12.68	16	58.3	9
17	41.27	12	71.9	25	12.84	13	59.2	13
27	41.39	9	74.4	23	12.97	8	60.5	15
Okt. 7	41.48	4	76.7	22	13.05	3	62.0	18
17	41.52	1	78.9	20	13.08	1	63.8	18
27	41.53	—2	80.9	17	13.09	—4	65.6	19
Nov. 6	41.51	6	82.6	15	13.05	6	67.5	18
16	41.45	9	84.1	11	12.99	9	69.3	17
26	41.36	11	85.2	8	12.90	11	71.0	15
Dez. 6	41.25	14	86.0	4	12.79	12	72.5	12
16	41.11	15	86.4	1	12.67	14	73.7	9
26	40.96	17	86.5	—3	12.53	15	74.6	6
36	40.79		86.2		12.38		75.2	
Mittl. Ort	38.56		61.8		10.39		76.7	
	33)				35)			

1908	ε Piscium. $4^m.2$.				β Phoenicis. $3^m.2$.				β Andromed. $2^m.1$.				υ Piscium. $4^m.6$.			
	AR.		Dekl. +		AR.		Dekl. —		AR.		Dekl. +		AR.		Dekl. +	
	$0^h\ 58^m$		$7°\ 23'$		$1^h\ 1^m$		$47°\ 12'$		$1^h\ 4^m$		$35°\ 7'$		$1^h\ 14^m$		$26°\ 46'$	
Jan. 1	9.16	12	36.2	7	57.87	22	63.9	2	33.86	17	62.3	4	23.66	14	51.2	5
11	9.04	12	35.5	7	57.65	22	64.1	— 3	33.69	17	61.9	7	23.52	15	50.7	7
21	8.92	12	34.8	6	57.43	22	63.8	8	33.52	17	61.2	11	23.37	15	50.0	9
31	8.80	12	34.2	7	57.21	19	63.0	13	33.35	16	60.1	13	23.22	15	49.1	10
Febr. 10	8.68	10	33.5	5	57.02	17	61.7	17	33.19	15	58.8	14	23.07	13	48.1	12
20	8.58	8	33.0	5	56.85	14	60.0	21	33.04	11	57.4	16	22.94	11	46.9	13
März 1	8.50	5	32.5	4	56.71	10	57.9	25	32.93	9	55.8	17	22.83	8	45.6	12
11	8.45	2	32.1	1	56.61	6	55.4	27	32.84	4	54.1	16	22.75	5	44.4	12
21	8.43	— 2	32.0	— 1	56.55	1	52.7	30	32.80	0	52.5	15	22.70	0	43.2	10
31	8.45	7	32.1	3	56.54	— 5	49.7	35	32.80	6	51.0	14	22.70	5	42.2	9
April 10	[5] 8.52	10	32.4	6	[6] 56.59	10	46.2	33	[7] 32.86	12	49.6	11	[9] 22.75	10	41.3	7
20	8.62	15	33.0	8	56.69	16	42.9	33	32.98	17	48.5	8	22.85	15	40.6	3
30	8.77	19	33.8	11	56.85	21	39.6	33	33.15	21	47.7	4	23.00	19	40.3	0
Mai 10	8.96	23	34.9	13	57.06	27	36.3	32	33.36	26	47.3	0	23.19	23	40.3	3
20	9.19	25	36.2	15	57.33	31	33.1	31	33.62	29	47.3	4	23.42	27	40.6	7
30	9.44	29	37.7	18	57.64	35	30.0	27	33.91	33	47.7	7	23.69	31	41.3	9
Juni 9	9.73	30	39.5	19	57.99	38	27.3	25	34.24	35	48.4	11	24.00	32	42.2	13
19	10.03	31	41.4	19	58.37	40	24.8	21	34.59	36	49.5	14	24.32	33	43.5	16
29	10.34	32	43.3	20	58.77	41	22.7	17	34.95	36	50.9	17	24.65	35	45.1	17
Juli 9	10.66	31	45.3	20	59.18	41	21.0	11	35.31	36	52.6	19	25.00	33	46.8	20
19	10.97	29	47.3	20	59.59	39	19.9	7	35.67	34	54.5	22	25.33	32	48.8	21
29	11.26	28	49.3	18	59.98	38	19.2	2	36.01	31	56.7	23	25.65	30	50.9	21
Aug. 8	11.54	25	51.1	17	60.36	34	19.0	— 3	36.32	29	59.0	24	25.95	28	53.0	22
18	11.79	22	52.8	14	60.70	30	19.3	9	36.61	25	61.4	24	26.23	25	55.2	21
28	12.01	19	54.2	13	61.00	26	20.2	13	36.86	22	63.8	25	26.48	21	57.3	21
Sept. 7	12.20	15	55.5	11	61.26	20	21.5	17	37.08	18	66.3	24	26.69	18	59.4	20
17	12.35	12	56.6	8	61.46	15	23.2	21	37.26	14	68.7	23	26.87	14	61.4	19
27	12.47	8	57.4	6	61.61	10	25.3	23	37.40	10	71.0	22	27.01	11	63.3	17
Okt. 7	12.55	5	58.0	4	61.71	4	27.6	25	37.50	6	73.2	20	27.12	8	65.0	16
17	12.60	2	58.4	2	61.75	— 1	30.1	25	37.56	3	75.2	18	27.20	4	66.6	13
27	12.62	0	58.6	0	61.74	6	32.6	25	37.59	— 1	77.0	16	27.24	1	67.9	12
Nov. 6	12.62	3	58.6	2	61.68	11	35.1	24	37.58	4	78.6	14	27.25	— 2	69.1	9
16	12.59	6	58.4	3	61.57	14	37.5	21	37.54	7	80.0	11	27.23	5	70.0	7
26	12.53	7	58.1	4	61.43	17	39.6	17	37.47	9	81.1	7	27.18	8	70.7	4
Dez. 6	12.46	9	57.7	5	61.26	19	41.3	14	37.38	12	81.8	4	27.10	9	71.1	2
16	12.37	10	57.2	6	61.07	21	42.7	9	37.26	14	82.2	1	27.01	12	71.3	— 1
26	12.27	11	56.6	6	60.86	22	43.6	5	37.12	15	82.3	— 2	26.89	13	71.2	3
36	12.16		56.0		60.64		44.1		36.97		82.1		26.76		70.9	
Mittl. Ort	10.02		42.0		58.71		41.1		34.62		58.8		24.39		50.4	
	36)				38)				42)				45)			

1908	θ Ceti. $3^m.4$. AR.		Dekl. −		δ Cassiopej. $2^m.7$. AR.		Dekl. +		η Piscium. $3^m.6$. AR.		Dekl. +		40 Cassiopej. $5^m.5$. AR.		Dekl. +	
	$1^h\ 19^m$		8° 39′		$1^h\ 19^m$		59° 45′		$1^h\ 26^m$		14° 52′		$1^h\ 31^m$		72° 34′	
Jan. 1	24.72	12	40.0	7	46.84	32	36.1	2	32.79	12	14.9	6	8.75	61	28.6	7
11	24.60	12	40.7	5	46.52	34	36.3	— 3	32.67	13	14.3	6	8.14	65	29.3	0
21	24.48	13	41.2	3	46.18	34	36.0	8	32.54	13	13.7	7	7.49	64	29.3	5
31	24.35	12	41.5	2	45.84	33	35.2	13	32.41	14	13.0	8	6.85	62	28.8	11
Febr. 10	24.23	11	41.7	— 1	45.51	30	33.9	17	32.27	12	12.2	8	6.23	58	27.7	16
20	24.12	10	41.6	3	45.21	26	32.2	21	32.15	11	11.4	7	5.65	50	26.1	20
März 1	24.02	7	41.3	5	44.95	20	30.1	23	32.04	8	10.7	7	5.15	41	24.1	24
11	23.95	4	40.8	8	44.75	13	27.8	25	31.96	5	10.0	5	4.74	29	21.7	27
21	23.91	1	40.0	10	44.62	6	25.3	25	31.91	1	9.5	4	4.45	17	19.0	28
31	23.90	— 4	39.0	12	44.56	— 3	22.8	24	31.90	— 3	9.1	1	4.28	2	16.2	28
April 10	23.94	9	37.8	16	44.59	14	20.4	25	31.93	9	9.0	— 1	4.26	— 15	13.4	30
20	[11] 24.03	12	36.2	17	[11] 44.73	21	17.9	20	[13] 32.02	13	9.1	3	[14] 4.41	27	10.4	25
30	24.15	17	34.5	19	44.94	28	15.9	17	32.15	17	9.4	6	4.68	39	7.9	22
Mai 10	24.32	20	32.6	21	45.22	36	14.2	12	32.32	21	10.0	9	5.07	52	5.7	18
20	24.52	24	30.5	21	45.58	41	13.0	8	32.53	24	10.9	11	5.59	61	3.9	14
30	24.76	27	28.4	22	45.99	46	12.2	4	32.77	28	12.0	14	6.20	70	2.5	9
Juni 9	25.03	29	26.2	22	46.45	50	11.8	— 1	33.05	30	13.4	16	6.90	75	1.6	4
19	25.32	31	24.0	22	46.95	52	11.9	6	33.35	32	15.0	17	7.65	80	1.2	— 1
29	25.63	32	21.8	20	47.47	53	12.5	11	33.67	32	16.7	19	8.45	82	1.3	6
Juli 9	25.95	31	19.8	19	48.00	52	13.6	15	33.99	31	18.6	19	9.27	81	1.9	11
19	26.26	30	17.9	17	48.52	50	15.1	19	34.30	31	20.5	20	10.08	79	3.0	16
29	26.56	29	16.2	14	49.02	47	17.0	23	34.61	30	22.5	19	10.87	76	4.6	20
Aug. 8	26.85	26	14.8	11	49.49	44	19.3	26	34.91	27	24.4	18	11.63	70	6.6	24
18	27.11	24	13.7	8	49.93	39	21.9	28	35.18	24	26.2	18	12.33	63	9.0	28
28	27.35	20	12.9	6	50.32	34	24.7	30	35.42	21	28.0	15	12.96	56	11.8	30
Sept. 7	27.55	17	12.3	1	50.66	28	27.7	31	35.63	19	29.5	15	13.52	47	14.8	33
17	27.72	14	12.2	— 1	50.94	22	30.8	32	35.82	14	31.0	12	13.99	38	18.1	34
27	27.86	11	12.3	4	51.16	17	34.0	33	35.96	12	32.2	10	14.37	28	21.5	36
Okt. 7	27.97	7	12.7	6	51.33	10	37.3	31	36.08	8	33.2	8	14.65	17	25.1	35
17	28.04	4	13.3	8	51.43	4	40.4	30	36.16	5	34.0	6	14.82	6	28.6	35
27	28.08	1	14.1	9	51.47	— 2	43.4	29	36.21	3	34.6	5	14.88	— 4	32.1	34
Nov. 6	28.09	— 2	15.0	10	51.45	8	46.3	26	36.24	0	35.1	2	14.84	15	35.5	31
16	28.07	4	16.0	10	51.37	13	48.9	23	36.24	3	35.3	1	14.69	25	38.6	29
26	28.03	7	17.0	11	51.24	19	51.2	19	36.21	6	35.4	— 1	14.44	35	41.5	25
Dez. 6	27.96	8	18.1	10	51.05	24	53.1	15	36.15	8	35.3	2	14.09	45	44.0	20
16	27.88	10	19.1	9	50.81	28	54.6	10	36.07	9	35.1	3	13.64	52	46.0	16
26	27.78	11	20.0	7	50.53	31	55.6	5	35.98	11	34.8	5	13.12	58	47.6	10
36	27.67		20.7		50.22		56.1		35.87		34.3		12.54		48.6	
Mittl. Ort	25.47		28.5		47.30		26.6		33.49		18.2		8.68		17.2	
	47)				48)				50)				51)			

1908	υ Persei. $3^m.6$. AR.		Dekl. +		α Eridani. 1^m. AR.		Dekl. −		43 Cassiopej. $5^m.9$. AR.		Dekl. +		φ Persei. $4^m.1$. AR.		Dekl. +	
	$1^h\ 32^m$		48° 9′		$1^h\ 34^m$		57° 41′		$1^h\ 35^m$		67° 34′		$1^h\ 37^m$		50° 13′	
Jan. 1	19.83	21	51.2	1	17.02	32	98.9	4	30.67	44	51.6	6	52.79	22	39.1	2
11	19.62	24	51.3	4	16.70	32	99.3	2	30.23	50	52.2	0	52.57	25	39.3	3
21	19.38	24	50.9	7	16.38	32	99.1	7	29.73	49	52.2	6	52.32	25	39.0	7
31	19.14	23	50.2	12	16.06	31	98.4	13	29.24	47	51.6	11	52.07	25	38.3	11
Febr. 10	18.91	22	49.0	15	15.75	28	97.1	18	28.77	44	50.5	15	51.82	24	37.2	14
20	18.69	19	47.5	17	15.47	25	95.3	22	28.33	39	49.0	20	51.58	21	35.8	17
März 1	18.50	15	45.8	20	15.22	20	93.1	26	27.94	31	47.0	23	51.37	16	34.1	20
11	18.35	10	43.8	20	15.02	16	90.5	30	27.63	23	44.7	26	51.21	12	32.1	21
21	18.25	5	41.8	20	14.86	9	87.5	32	27.40	12	42.1	26	51.09	6	30.0	21
31	18.20	2	39.8	20	14.77	3	84.3	35	27.28	2	39.5	27	51.03	1	27.9	20
April 10	18.22	10	37.8	20	14.74	5	80.8	39	27.26	11	36.8	28	51.04	9	25.9	21
20	(14) 18.32	15	35.8	15	(15) 14.79	12	76.9	37	(15) 27.37	22	34.0	24	(16) 51.13	15	23.8	17
30	18.47	22	34.3	12	14.91	18	73.2	36	27.59	32	31.6	20	51.28	22	22.1	13
Mai 10	18.69	27	33.1	8	15.09	26	69.6	35	27.91	41	29.6	17	51.50	28	20.8	10
20	18.96	33	32.3	5	15.35	31	66.1	33	28.32	50	27.9	13	51.78	33	19.8	5
30	19.29	36	31.8	0	15.66	37	62.8	30	28.82	57	26.6	8	52.11	37	19.3	2
Juni 9	19.65	40	31.8	4	16.03	42	59.8	27	29.39	61	25.8	3	52.48	40	19.1	3
19	20.05	41	32.2	8	16.45	45	57.1	23	30.00	65	25.5	2	52.88	43	19.4	7
29	20.46	42	33.0	12	16.90	48	54.8	19	30.65	66	25.7	8	53.31	43	20.1	11
Juli 9	20.88	42	34.2	15	17.38	49	52.9	13	31.31	66	26.5	11	53.74	44	21.2	14
19	21.30	41	35.7	19	17.87	49	51.6	8	31.97	65	27.6	16	54.18	42	22.6	18
29	21.71	38	37.6	22	18.36	46	50.8	2	32.62	62	29.2	20	54.60	41	24.4	21
Aug. 8	22.09	36	39.8	23	18.82	45	50.6	4	33.24	57	31.2	24	55.01	37	26.5	24
18	22.45	33	42.1	26	19.27	40	51.0	9	33.81	52	33.6	28	55.38	34	28.9	25
28	22.78	28	44.7	26	19.67	35	51.9	14	34.33	47	36.4	29	55.72	31	31.4	27
Sept. 7	23.06	25	47.3	28	20.02	29	53.3	20	34.80	39	39.3	32	56.03	26	34.1	28
17	23.31	20	50.1	28	20.31	23	55.3	23	35.19	32	42.5	33	56.29	21	36.9	28
27	23.51	16	52.9	27	20.54	15	57.6	26	35.51	25	45.8	34	56.50	18	39.7	28
Okt. 7	23.67	11	55.6	26	20.69	9	60.2	28	35.76	16	49.2	34	56.68	12	42.5	27
17	23.78	6	58.2	25	20.78	1	63.0	29	35.92	7	52.6	33	56.80	7	45.2	26
27	23.84	3	60.7	24	20.79	4	65.9	29	35.99	0	55.9	32	56.87	3	47.8	24
Nov. 6	23.87	2	63.1	21	20.75	12	68.8	27	35.99	9	59.1	30	56.90	2	50.2	23
16	23.85	7	65.2	18	20.63	16	71.5	25	35.90	17	62.1	27	56.88	6	52.5	19
26	23.78	10	67.0	15	20.47	22	74.0	22	35.73	24	64.8	24	56.82	10	54.4	17
Dez. 6	23.68	14	68.5	12	20.25	26	76.2	17	35.49	32	67.2	19	56.72	15	56.1	13
16	23.54	18	69.7	7	19.99	29	77.9	12	35.17	38	69.1	14	56.57	18	57.4	8
26	23.36	20	70.4	3	19.70	31	79.1	6	34.79	43	70.5	9	56.39	21	58.2	4
36	23.16		70.7		19.39		79.7		34.36		71.4		56.18		58.6	
Mittl. Ort	20.34		44.4		17.38		74.4		30.78		40.9		53.25		31.9	
	52)				54)				55)				57)			

1908	τ Ceti. $3^m.4$. AR.		Dekl. —		o Piscium. $4^m.3$. AR.		Dekl. +	
	$1^h\ 39^m$		16° 25′		$1^h\ 40^m$		8° 41′	
Jan. 1	47.02 s	13	32.6″	8	31.39 s	11	36.3″	5
11	46.89	13	33.4	5	31.28	13	35.8	6
21	46.76	15	33.9	2	31.15	13	35.2	7
31	46.61	14	34.1	1	31.02	13	34.5	5
Febr. 10	46.47	13	34.0	3	30.89	13	34.0	6
20	46.34	12	33.7	6	30.76	11	33.4	4
März 1	46.22	10	33.1	9	30.65	9	33.0	4
11	46.12	6	32.2	12	30.56	6	32.6	2
21	46.06	3	31.0	14	30.50	2	32.4	0
31	46.03	0	29.6	17	30.48	1	32.4	2
April 10	46.03	6	27.9	21	30.49	7	32.6	5
20	[16] 46.09	10	25.8	22	[17] 30.56	11	33.1	7
30	46.19	14	23.6	23	30.67	16	33.8	9
Mai 10	46.33	19	21.3	24	30.83	19	34.7	12
20	46.52	22	18.9	25	31.02	23	35.9	14
30	46.74	26	16.4	24	31.25	27	37.3	16
Juni 9	47.00	28	14.0	25	31.52	29	38.9	17
19	47.28	30	11.5	23	31.81	30	40.6	18
29	47.58	31	9.2	21	32.11	31	42.4	19
Juli 9	47.89	32	7.1	19	32.42	32	44.3	20
19	48.21	31	5.2	17	32.74	31	46.3	18
29	48.52	29	3.5	13	33.05	29	48.1	18
Aug. 8	48.81	28	2.2	10	33.34	27	49.9	17
18	49.09	25	1.2	6	33.61	25	51.6	15
28	49.34	22	0.6	2	33.86	22	53.1	13
Sept. 7	49.56	20	0.4	2	34.08	19	54.4	10
17	49.76	15	0.6	4	34.27	16	55.4	9
27	49.91	12	1.0	8	34.43	13	56.3	6
Okt. 7	50.03	9	1.8	11	34.56	10	56.9	4
17	50.12	6	2.9	12	34.66	6	57.3	3
27	50.18	2	4.1	14	34.72	4	57.6	0
Nov. 6	50.20	1	5.5	14	34.76	1	57.6	1
16	50.19	4	6.9	14	34.77	2	57.5	2
26	50.15	6	8.3	13	34.75	5	57.3	3
Dez. 6	50.09	8	9.6	13	34.70	6	57.0	5
16	50.01	11	10.9	10	34.64	9	56.5	5
26	49.90	11	11.9	8	34.55	10	56.0	5
36	49.79		12.7		34.45		55.5	
Mittl. Ort	47.63		18.7		32.02		41.9	
	59)				60)			

1908	Lac. ε Sculpt. $5^m.3$. AR.		Dekl. —		ζ Ceti. $3^m.5$. AR.		Dekl. —	
	$1^h\ 41^m$		25° 30′		$1^h\ 46^m$		10° 47′	
Jan. 1	19.62 s	14	61.3″	8	54.54 s	12	33.7″	8
11	19.48	15	62.1	4	54.42	13	34.5	6
21	19.33	16	62.5	1	54.29	13	35.1	4
31	19.17	15	62.6	2	54.16	14	35.5	1
Febr. 10	19.02	14	62.4	7	54.02	13	35.6	1
20	18.88	13	61.7	9	53.89	11	35.5	3
März 1	18.75	10	60.8	13	53.78	10	35.2	6
11	18.65	7	59.5	16	53.68	7	34.6	9
21	18.58	4	57.9	19	53.61	3	33.7	11
31	18.54	0	56.0	22	53.58	1	32.6	13
April 10	18.54	6	53.8	26	53.59	5	31.3	17
20	[17] 18.60	10	51.2	25	[16] 53.64	10	29.6	18
30	18.70	14	48.7	27	53.74	14	27.8	20
Mai 10	18.84	19	46.0	28	53.88	18	25.8	21
20	19.03	24	43.2	27	54.06	22	23.7	23
30	19.27	26	40.5	27	54.28	26	21.4	23
Juni 9	19.53	29	37.8	26	54.54	28	19.1	23
19	19.82	32	35.2	24	54.82	30	16.8	22
29	20.14	33	32.8	21	55.12	31	14.6	21
Juli 9	20.47	33	30.7	18	55.43	31	12.5	19
19	20.80	32	28.9	15	55.74	31	10.6	17
29	21.12	32	27.4	11	56.05	30	8.9	15
Aug. 8	21.44	29	26.3	7	56.35	27	7.4	11
18	21.73	27	25.6	2	56.62	26	6.3	8
28	22.00	23	25.4	2	56.88	23	5.5	5
Sept. 7	22.23	21	25.6	6	57.11	19	5.0	1
17	22.44	16	26.2	9	57.30	17	4.9	2
27	22.60	13	27.1	13	57.47	13	5.1	5
Okt. 7	22.73	9	28.4	15	57.60	10	5.6	8
17	22.82	6	29.9	18	57.70	6	6.4	9
27	22.88	2	31.7	18	57.76	4	7.3	11
Nov. 6	22.90	2	33.5	19	57.80	0	8.4	12
16	22.88	4	35.4	18	57.80	2	9.6	12
26	22.84	7	37.2	16	57.78	5	10.8	12
Dez. 6	22.77	9	38.8	15	57.73	7	12.0	11
16	22.68	11	40.3	12	57.66	9	13.1	10
26	22.57	14	41.5	9	57.57	11	14.1	8
36	22.43		42.4		57.46		14.9	
Mittl. Ort	20.19		44.6		55.12		21.7	
	61)				62)			

1908	ε Cassiopej. $3^m.3$.				α Trianguli. $3^m.5$.				ξ Piscium. $4^m.6$.				β Arietis. $2^m.7$.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	$1^h\ 47^m$		$63°\ 12'$		$1^h\ 47^m$		$29°\ 7'$		$1^h\ 48^m$		$2°\ 43'$		$1^h\ 49^m$		$20°\ 21'$	
	s		"		s		"		s		"		s		"	
Jan. 1	45.77		72.2		49.47		52.5		46.90		53.4		32.73		29.3	
11	45.41	36	72.8	6	49.33	14	52.3	2	46.79	11	52.7	7	32.61	12	28.9	4
21	45.02	39	72.9	1	49.18	15	51.8	5	46.66	13	52.1	6	32.47	14	28.4	5
31	44.62	40	72.4	— 5	49.02	16	51.1	7	46.53	13	51.5	6	32.32	15	27.8	6
Febr. 10	44.23	39	71.5	9	48.85	17	50.2	9	46.40	13	51.1	4	32.18	14	27.0	8
20	43.86	37	70.1	14	48.70	15	49.2	10	46.27	13	50.7	4	32.04	14	26.2	8
März 1	43.52	34	68.2	19	48.56	14	48.0	12	46.16	11	50.5	2	31.91	13	25.3	9
11	43.25	27	66.1	21	48.44	12	46.8	12	46.06	10	50.5	0	31.80	11	24.5	8
21	43.05	20	63.7	24	48.36	8	45.6	12	46.00	6	50.6	1	31.73	7	23.7	8
31	42.92	13	61.2	25	48.32	4	44.5	11	45.97	3	50.9	3	31.70	3	23.0	7
April 10	42.89	3	58.7	25	48.33	— 1	43.5	10	45.97	0	51.5	6	31.70	0	22.5	5
20	[18] 42.97	— 8	56.0	27	[19] 48.40	7	42.6	9	[19] 46.03	6	52.4	9	[19] 31.76	6	22.2	3
30	43.14	17	53.8	22	48.51	11	42.1	5	46.13	10	53.4	10	31.87	11	22.2	0
Mai 10	43.40	26	51.8	20	48.67	16	41.8	3	46.28	15	54.7	13	32.03	16	22.5	3
20	43.75	35	50.2	16	48.89	22	41.9	— 1	46.46	18	56.1	14	32.22	19	23.0	5
30	44.16	41	49.0	12	49.14	25	42.2	3	46.68	22	57.8	17	32.46	24	23.8	8
Juni 9	44.64	48	48.3	7	49.43	29	42.9	7	46.94	26	59.6	18	32.73	27	24.8	10
19	45.17	53	48.0	3	49.74	31	43.9	10	47.22	28	61.5	19	33.03	30	26.1	13
29	45.73	56	48.2	— 2	50.07	33	45.1	12	47.51	29	63.4	19	33.34	31	27.6	15
Juli 9	46.31	58	48.8	6	50.42	35	46.6	15	47.82	31	65.4	20	33.67	33	29.2	16
19	46.89	58	49.9	11	50.76	34	48.3	17	48.13	31	67.3	19	34.00	33	31.0	18
29	47.46	57	51.4	15	51.10	34	50.1	18	48.44	31	69.1	18	34.32	32	32.9	19
Aug. 8	48.00	54	53.3	19	51.42	32	52.1	20	48.73	29	70.8	17	34.63	31	34.8	19
18	48.52	52	55.6	23	51.73	31	54.1	20	49.01	28	72.3	15	34.92	29	36.7	19
28	48.99	47	58.2	26	52.00	27	56.2	21	49.26	25	73.6	13	35.18	26	38.5	18
Sept. 7	49.41	42	61.0	28	52.25	25	58.2	20	49.48	22	74.6	10	35.42	24	40.2	17
17	49.78	37	64.0	30	52.47	22	60.2	20	49.68	20	75.4	8	35.63	21	41.8	16
27	50.08	30	67.1	31	52.65	18	62.1	19	49.85	17	75.9	5	35.80	17	43.2	14
Okt. 7	50.32	24	70.4	33	52.80	15	63.8	17	49.98	13	76.2	3	35.94	14	44.5	13
17	50.50	18	73.6	32	52.92	12	65.4	16	50.08	10	76.3	1	36.05	11	45.6	11
27	50.61	11	76.7	31	53.00	8	66.9	15	50.16	8	76.1	— 2	36.13	8	46.6	10
Nov. 6	50.65	4	79.8	31	53.04	4	68.2	13	50.20	4	75.8	3	36.18	5	47.3	7
16	50.61	— 4	82.7	29	53.06	2	69.3	11	50.21	1	75.4	4	36.20	2	47.9	6
26	50.51	10	85.3	26	53.05	— 1	70.2	9	50.20	— 1	74.8	6	36.19	— 1	48.3	4
Dez. 6	50.34	17	87.5	22	53.00	5	70.8	6	50.17	3	74.2	6	36.15	4	48.5	2
16	50.11	23	89.4	19	52.92	8	71.2	4	50.11	6	73.5	7	36.09	6	48.6	1
26	49.82	29	90.8	14	52.82	10	71.4	2	50.02	9	72.9	6	36.00	9	48.5	— 1
36	49.49	33	91.7	9	52.69	13	71.3	— 1	49.92	10	72.2	7	35.89	11	48.2	3
Mittl. Ort	45.92		62.5		50.01		51.3		47.48		60.9		33.29		31.0	
	63)				64)				65)				66)			

1908	ψ Phoenicis. 4m.5. AR.		Dekl. −		γ Eridani. 3m.6. AR.		Dekl. −		50 Cassiopej. 4m.0. AR.		Dekl. +		υ Ceti. 3m.9. AR.		Dekl. −	
	1h 49m		46° 44′		1h 52m		52° 3′		1h 55m		71° 58′		1h 55m		21° 31′	
Jan. 1	57.16	23	93.5	8	22.41	26	83.6	8	33.85	57	46.3	10	39.72	13	39.5	8
11	56.93	23	94.3	2	22.15	28	84.4	0	33.28	60	47.3	4	39.59	14	40.3	6
21	56.70	24	94.5	2	21.87	27	84.4	4	32.68	62	47.7	2	39.45	15	40.9	2
31	56.46	23	94.3	8	21.60	27	84.0	9	32.06	62	47.5	8	39.30	15	41.1	0
Febr. 10	56.23	22	93.5	13	21.33	25	83.1	14	31.44	59	46.7	13	39.15	15	41.1	4
20	56.01	20	92.2	18	21.08	23	81.7	19	30.85	53	45.4	18	39.00	13	40.7	8
März 1	55.81	17	90.4	21	20.85	20	79.8	23	30.32	44	43.6	22	38.87	11	39.9	10
11	55.64	13	88.3	25	20.65	15	77.5	27	29.88	35	41.4	25	38.76	9	38.9	14
21	55.51	8	85.8	28	20.50	10	74.8	30	29.53	22	38.9	27	38.67	4	37.5	16
31	55.43	3	83.0	31	20.40	5	71.8	32	29.31	9	36.2	27	38.63	1	35.9	20
April 10	55.40	3	79.9	35	20.35	2	68.6	35	29.22	5	33.5	27	38.62	3	33.9	21
20	[19] 55.43	8	76.4	34	20.37	8	65.1	38	29.27	21	30.8	28	[21] 38.65	9	31.8	26
30	55.51	14	73.0	34	[20] 20.45	15	61.3	36	[21] 29.48	32	28.0	23	38.74	13	29.2	25
Mai 10	55.65	20	69.6	34	20.60	20	57.7	35	29.80	45	25.7	20	38.87	18	26.7	26
20	55.85	26	66.2	33	20.80	27	54.2	33	30.25	55	23.7	16	39.05	21	24.1	27
30	56.11	29	62.9	31	21.07	32	50.9	32	30.80	64	22.1	12	39.26	25	21.4	26
Juni 9	56.40	34	59.8	28	21.39	36	47.7	29	31.44	72	20.9	7	39.51	28	18.8	25
19	56.74	37	57.0	25	21.75	40	44.8	25	32.16	76	20.2	1	39.79	30	16.3	24
29	57.11	39	54.5	22	22.15	42	42.3	21	32.92	79	20.1	3	40.09	32	13.9	22
Juli 9	57.50	40	52.3	16	22.57	43	40.2	16	33.71	81	20.4	8	40.41	32	11.7	20
19	57.90	40	50.7	12	23.00	44	38.6	11	34.52	79	21.2	13	40.73	33	9.7	16
29	58.30	38	49.5	6	23.44	42	37.5	6	35.31	77	22.5	17	41.06	30	8.1	12
Aug. 8	58.68	37	48.9	1	23.86	40	36.9	0	36.08	73	24.2	21	41.36	30	6.9	9
18	59.05	34	48.8	4	24.26	38	36.9	6	36.81	67	26.3	25	41.66	27	6.0	5
28	59.39	30	49.2	10	24.64	33	37.5	11	37.48	61	28.8	28	41.93	24	5.5	0
Sept. 7	59.69	26	50.2	14	24.97	28	38.6	16	38.09	53	31.6	31	42.17	21	5.5	4
17	59.95	21	51.6	18	25.25	23	40.2	20	38.62	44	34.7	32	42.38	18	5.9	7
27	60.16	15	53.4	23	25.48	18	42.2	24	39.06	36	37.9	34	42.56	14	6.6	11
Okt. 7	60.31	11	55.7	25	25.66	11	44.6	26	39.42	25	41.3	35	42.70	11	7.7	13
17	60.42	5	58.2	26	25.77	6	47.2	28	39.67	16	44.8	35	42.81	7	9.0	16
27	60.47	0	60.8	27	25.83	0	50.0	29	39.83	5	48.3	34	42.88	3	10.6	16
Nov. 6	60.47	4	63.5	26	25.83	6	52.9	27	39.88	6	51.7	32	42.91	1	12.2	18
16	60.43	9	66.1	25	25.77	11	55.6	25	39.82	17	54.9	30	42.92	3	14.0	17
26	60.34	13	68.6	22	25.66	15	58.1	23	39.65	27	57.9	26	42.89	5	15.7	16
Dez. 6	60.21	17	70.8	18	25.51	20	60.4	19	39.38	36	60.5	23	42.84	8	17.3	14
16	60.04	19	72.6	14	25.31	22	62.3	15	39.02	45	62.8	17	42.76	10	18.7	13
26	59.85	21	74.0	10	25.09	25	63.8	9	38.57	52	64.5	13	42.66	12	20.0	10
36	59.64		75.0		24.84		64.7		38.05		65.8		42.54		21.0	
Mittl. Ort	57.49		71.5		22.63		60.5		33.52		35.5		40.21		24.1	
	67)				68)				70)				71)			

1908	α Hydri. 2m.9. AR.		Dekl. −		γ Andromed. 2m.1. AR.		Dekl. +	
	1h 55m		62° 0′		1h 58m		41° 53′	
Jan. 1	52.31	38	87.2	6	14.40	18	23.4	2 —
11	51.93	40	87.8	0	14.22	19	23.6	2
21	51.53	39	87.8	5	14.03	20	23.4	5
31	51.14	39	87.3	12	13.83	21	22.9	9
Febr. 10	50.75	36	86.1	16	13.62	20	22.0	11
20	50.39	33	84.5	22	13.42	18	20.9	14
März 1	50.06	28	82.3	26	13.24	16	19.5	16
11	49.78	22	79.7	29	13.08	11	17.9	17
21	49.56	17	76.8	32	12.97	7	16.2	17
31	49.39	9	73.6	35	12.90	1 —	14.5	16
April 10	49.30	1 —	70.1	36	12.89	4	12.9	15
20	49.29	7	66.5	41	12.93	12	11.4	14
30	^{21}49.36	16	62.4	37	^{21}13.05	18	10.0	10
Mai 10	49.52	23	58.7	37	13.23	22	9.0	7
20	49.75	30	55.0	34	13.45	28	8.3	3
30	50.05	38	51.6	32	13.73	32	8.0	0
Juni 9	50.43	43	48.4	29	14.05	35	8.0	4
19	50.86	48	45.5	25	14.40	37	8.4	7
29	51.34	51	43.0	20	14.77	39	9.1	11
Juli 9	51.85	53	41.0	15	15.16	39	10.2	14
19	52.38	54	39.5	10	15.55	38	11.6	17
29	52.92	52	38.5	3 —	15.93	37	13.3	19
Aug. 8	53.44	51	38.2	2	16.30	35	15.2	21
18	53.95	47	38.4	8	16.65	32	17.3	22
28	54.42	42	39.2	14	16.97	29	19.5	24
Sept. 7	54.84	35	40.6	19	17.26	26	21.9	24
17	55.19	29	42.5	23	17.52	22	24.3	23
27	55.48	21	44.8	27	17.74	18	26.6	24
Okt. 7	55.69	14	47.5	29	17.92	15	29.0	23
17	55.83	5 —	50.4	30	18.07	10	31.3	21
27	55.88	3	53.4	30	18.17	6	33.4	21
Nov. 6	55.85	11	56.4	29	18.23	2 —	35.5	18
16	55.74	17	59.3	27	18.25	2	37.3	16
26	55.57	24	62.0	24	18.23	5	38.9	13
Dez. 6	55.33	29	64.4	19	18.18	9	40.2	11
16	55.04	33	66.3	14	18.09	13	41.3	7
26	54.71	37	67.7	9	17.96	15	42.0	4
36	54.34		68.6		17.81		42.4	
Mittl. Ort	52.23		62.5		14.82		18.8	
	72)				73)			

1908	α Arietis. 2m.0. AR.		Dekl. +		β Trianguli. 3m.0. AR.		Dekl. +	
	2h 1m		23° 1′		2h 4m		34° 32′	
Jan. 1	58.54	12	39.1	3	3.46	15	71.5	0
11	58.42	14	38.8	4	3.31	16	71.5	3
21	58.28	15	38.4	6	3.15	18	71.2	5
31	58.13	15	37.8	7	2.97	19	70.7	8
Febr. 10	57.98	15	37.1	9	2.78	17	69.9	10
20	57.83	14	36.2	9	2.61	17	68.9	12
März 1	57.69	12	35.3	9	2.44	14	67.7	13
11	57.57	9	34.4	8	2.30	10	66.4	14
21	57.48	4	33.6	8	2.20	6	65.0	13
31	57.44	1 —	32.8	7	2.14	1 —	63.7	13
April 10	57.43	4	32.1	4	2.13	4	62.4	11
20	57.47	11	31.7	3 —	2.17	11	61.3	10
30	^{22}57.58	14	31.4	1	^{23}2.28	15	60.3	6
Mai 10	57.72	19	31.5	3	2.43	21	59.7	3
20	57.91	23	31.8	6	2.64	25	59.4	0
30	58.14	27	32.4	9	2.89	29	59.4	3
Juni 9	58.41	30	33.3	11	3.18	32	59.7	7
19	58.71	31	34.4	13	3.50	34	60.4	9
29	59.02	33	35.7	16	3.84	36	61.3	12
Juli 9	59.35	33	37.3	16	4.20	36	62.5	15
19	59.68	33	38.9	18	4.56	36	64.0	17
29	60.01	32	40.7	18	4.92	34	65.7	19
Aug. 8	60.33	30	42.5	19	5.26	33	67.6	20
18	60.63	27	44.4	18	5.59	30	69.6	20
28	60.90	25	46.2	18	5.89	28	71.6	21
Sept. 7	61.15	22	48.0	17	6.17	24	73.7	21
17	61.37	19	49.7	15	6.41	21	75.8	21
27	61.56	16	51.2	14	6.62	18	77.9	20
Okt. 7	61.72	13	52.6	13	6.80	14	79.9	19
17	61.85	10	53.9	10	6.94	10	81.8	17
27	61.95	6	54.9	9	7.04	7	83.5	16
Nov. 6	62.01	3	55.8	8	7.11	3	85.1	14
16	62.04	0	56.6	5	7.14	0	86.5	13
26	62.04	3	57.1	4	7.14	3	87.8	10
Dez. 6	62.01	5	57.5	2	7.11	7	88.8	7
16	61.96	8	57.7	0	7.04	10	89.5	5
26	61.88	11	57.7	1	6.94	13	90.0	2
36	61.77		57.6		6.81		90.2	
Mittl. Ort	59.03		40.0		3.89		68.9	
	74)				75)			

1908	55 Cassiopej. $6^m.3$.				Lac. μ Forn. $5^m.2$.				67 Ceti. $5^m.8$.				ξ² Ceti. $4^m.2$.			
	AR.		Dekl. +		AR.		Dekl. —		AR.		Dekl. —		AR.		Dekl. +	
	$2^h\ 7^m$		66° 5′		$2^h\ 8^m$		31° 8′		$2^h\ 12^m$		6° 50′		$2^h\ 23^m$		8° 2′	
	s		″		s		″		s		″		s		″	
Jan. 1	15.09	39	46.8	9	51.08	15	96.4	10	23.18	11	55.5	8	15.54	10	47.2	6
11	14.70	43	47.7	4	50.93	17	97.4	6	23.07	12	56.3	7	15.44	12	46.6	5
21	14.27	45	48.1	— 1	50.76	17	98.0	2	22.95	14	57.0	5	15.32	14	46.1	5
31	13.82	46	48.0	7	50.59	18	98.2	— 2	22.81	14	57.5	3	15.18	15	45.6	5
Febr. 10	13.36	44	47.3	12	50.41	17	98.0	7	22.67	14	57.8	1	15.03	14	45.1	5
20	12.92	40	46.1	16	50.24	17	97.3	10	22.53	13	57.9	— 2	14.89	13	44.6	3
März 1	12.52	35	44.5	20	50.07	13	96.3	14	22.40	11	57.7	3	14.76	12	44.3	3
11	12.17	27	42.5	23	49.94	11	94.9	17	22.29	9	57.4	6	14.64	10	44.0	1
21	11.90	18	40.2	25	49.83	8	93.2	21	22.20	5	56.8	9	14.54	6	43.9	0
31	11.72	8	37.7	25	49.75	3	91.1	24	22.15	2	55.9	11	14.48	2	43.9	2
April 10	11.64	— 2	35.2	26	49.72	— 1	88.7	25	22.13	— 2	54.8	13	14.46	— 1	44.1	5
20	11.66	15	32.6	26	49.73	7	86.2	31	22.15	8	53.5	16	14.47	7	44.6	7
30	[21] 11.81	24	30.0	22	[21] 49.80	12	83.1	29	[25] 22.23	12	51.9	18	[28] 14.54	12	45.3	9
Mai 10	12.05	34	27.8	18	49.92	16	80.2	30	22.35	16	50.1	19	14.66	16	46.2	11
20	12.39	43	26.0	15	50.08	21	77.2	30	22.51	20	48.2	21	14.82	20	47.3	13
30	12.82	50	24.5	11	50.29	25	74.2	29	22.71	23	46.1	21	15.02	23	48.6	15
Juni 9	13.32	56	23.4	6	50.54	28	71.3	28	22.94	27	44.0	22	15.25	27	50.1	16
19	13.88	59	22.8	1	50.82	30	68.5	25	23.21	28	41.8	21	15.52	28	51.7	17
29	14.47	63	22.7	— 3	51.12	33	66.0	22	23.49	30	39.7	21	15.80	31	53.4	18
Juli 9	15.10	64	23.0	8	51.45	34	63.8	21	23.79	31	37.6	20	16.11	31	55.2	18
19	15.74	63	23.8	12	51.79	34	61.7	16	24.10	31	35.6	18	16.42	31	57.0	18
29	16.37	62	25.0	17	52.13	33	60.1	11	24.41	30	33.8	15	16.73	30	58.8	17
Aug. 8	16.99	59	26.7	20	52.46	31	59.0	7	24.71	28	32.3	13	17.03	29	60.5	15
18	17.58	55	28.7	24	52.77	30	58.3	2	24.99	27	31.0	10	17.32	27	62.0	14
28	18.13	51	31.1	26	53.07	26	58.1	— 3	25.26	24	30.0	6	17.59	25	63.4	12
Sept. 7	18.64	44	33.7	29	53.33	24	58.4	7	25.50	22	29.4	4	17.84	23	64.6	10
17	19.08	38	36.6	31	53.57	20	59.1	11	25.72	18	29.0	0	18.07	20	65.6	7
27	19.46	31	39.7	31	53.77	16	60.2	16	25.90	16	29.0	3	18.27	16	66.3	6
Okt. 7	19.77	25	42.8	33	53.93	12	61.8	18	26.06	12	29.3	5	18.43	14	66.9	3
17	20.02	16	46.1	32	54.05	8	63.6	20	26.18	10	29.8	8	18.57	11	67.2	1
27	20.18	9	49.3	31	54.13	4	65.6	21	26.28	6	30.6	9	18.68	8	67.3	0
Nov. 6	20.27	0	52.4	31	54.17	1	67.7	22	26.34	3	31.5	10	18.76	5	67.3	2
16	20.27	7	55.5	28	54.18	— 3	69.9	21	26.37	0	32.5	11	18.81	2	67.1	3
26	20.20	16	58.3	25	54.15	6	72.0	20	26.37	2	33.6	12	18.83	— 1	66.8	4
Dez. 6	20.04	23	60.8	21	54.09	9	74.0	18	26.35	5	34.8	10	18.82	3	66.4	5
16	19.81	30	62.9	17	54.00	12	75.8	15	26.30	8	35.8	10	18.79	7	65.9	5
26	19.51	36	64.6	13	53.88	13	77.3	12	26.22	9	36.8	9	18.72	8	65.4	5
36	19.15		65.9		53.75		78.5		26.13		37.7		18.64		64.9	
Mittl. Ort	14.97		37.1		51.42		78.6		23.62		45.0		15.94		52.9	
	76)				78)				80)				85)			

1908	36 H. Cassiop. 5ᵐ.4.				ν Arietis. 5ᵐ.6.				μ Hydri. 5ᵐ.5.				δ Ceti. 3ᵐ.9.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. −	
	$2^h\ 29^m$		72° 24′		$2^h\ 33^m$		21° 33′		$2^h\ 33^m$		79° 30′		$2^h\ 34^m$		0° 3′	
	s		″		s		″		s		″		s		″	
Jan. 1	16.64	52	69.3	13	35.02	11	48.7	1	39.43	113	63.6	9	45.60	10	73.1	7
11	16.12	59	70.6	9	34.91	13	48.6	4	38.30	119	64.5	2	45.50	12	73.8	7
21	15.53	63	71.5	2	34.78	14	48.2	4	37.11	122	64.7	4	45.38	14	74.5	5
31	14.90	65	71.7	4	34.64	17	47.8	6	35.89	121	64.3	10	45.24	14	75.0	4
Febr. 10	14.25	63	71.3	8	34.47	16	47.2	6	34.68	117	63.3	15	45.10	15	75.4	3
20	13.62	59	70.5	14	34.31	15	46.6	7	33.51	109	61.8	21	44.95	14	75.7	1
März 1	13.03	53	69.1	18	34.16	14	45.9	7	32.42	99	59.7	25	44.81	13	75.8	1
11	12.50	43	67.3	22	34.02	11	45.2	7	31.43	87	57.2	29	44.68	10	75.7	2
21	12.07	32	65.1	25	33.91	8	44.5	7	30.56	72	54.3	32	44.58	7	75.5	5
31	11.75	19	62.6	26	33.83	3	43.8	5	29.84	55	51.1	35	44.51	4	75.0	7
April 10	11.56	5	60.0	27	33.80	0	43.3	4	29.29	37	47.6	37	44.47	1	74.3	8
20	11.51	9	57.3	26	33.80	6	42.9	2	28.92	19	43.9	38	44.48	5	73.5	11
30	11.60	25	54.7	27	33.86	12	42.7	1	28.73	3	40.1	41	44.53	10	72.4	15
Mai 10	11.85	37	52.0	23	33.98	16	42.8	3	28.76	23	36.0	37	44.63	15	70.9	16
20	12.22	49	49.7	19	34.14	21	43.1	5	28.99	42	32.3	35	44.78	18	69.3	16
30	12.71	60	47.8	15	34.35	24	43.6	8	29.41	60	28.8	33	44.96	22	67.7	19
Juni 9	13.31	68	46.3	11	34.59	27	44.4	10	30.01	77	25.5	30	45.18	26	65.8	19
19	13.99	75	45.2	6	34.86	30	45.4	12	30.78	92	22.5	27	45.44	27	63.9	19
29	14.74	80	44.6	1	35.16	32	46.6	14	31.70	104	19.8	21	45.71	29	62.0	20
Juli 9	15.54	83	44.5	3	35.48	33	48.0	15	32.74	114	17.7	16	46.00	31	60.0	19
19	16.37	83	44.8	8	35.81	32	49.5	17	33.88	120	16.1	11	46.31	30	58.1	18
29	17.20	83	45.6	13	36.13	32	51.2	17	35.08	122	15.0	5	46.61	30	56.3	16
Aug. 8	18.03	80	46.9	17	36.45	31	52.9	16	36.30	121	14.5	1	46.91	29	54.7	14
18	18.83	75	48.6	21	36.76	30	54.5	16	37.51	116	14.6	8	47.20	28	53.3	12
28	19.58	71	50.7	24	37.06	27	56.1	16	38.67	108	15.4	13	47.48	25	52.1	9
Sept. 7	20.29	64	53.1	28	37.33	24	57.7	15	39.75	95	16.7	19	47.73	23	51.2	6
17	20.93	56	55.9	29	37.57	22	59.2	14	40.70	80	18.6	23	47.96	20	50.6	4
27	21.49	47	58.8	32	37.79	19	60.6	12	41.50	61	20.9	27	48.16	18	50.2	0
Okt. 7	21.96	38	62.0	33	37.98	16	61.8	11	42.11	41	23.6	30	48.34	15	50.2	1
17	22.34	28	65.3	34	38.14	12	62.9	9	42.52	20	26.6	32	48.49	12	50.3	4
27	22.62	17	68.7	34	38.26	10	63.8	8	42.72	3	29.8	32	48.61	9	50.7	5
Nov. 6	22.79	6	72.1	33	38.36	7	64.6	6	42.69	25	33.0	31	48.70	5	51.2	7
16	22.85	6	75.4	31	38.43	3	65.2	5	42.44	46	36.1	29	48.75	3	51.9	8
26	22.79	17	78.5	29	38.46	0	65.7	3	41.98	66	39.0	26	48.78	0	52.7	9
Dez. 6	22.62	28	81.4	25	38.46	3	66.0	2	41.32	83	42.6	22	48.78	3	53.6	8
16	22.34	39	83.9	22	38.43	6	66.2	1	40.49	98	44.8	17	48.75	6	54.4	8
26	21.95	48	86.1	17	38.37	9	66.3	1	39.51	109	46.5	11	48.69	9	55.2	8
36	21.47		87.8		38.28		66.2		38.42		47.6		48.60		56.0	
Mittl. Ort	15.89		59.4		35.35		50.3		36.10		39.0		45.93		64.9	
	87)				89)				90)				91)			

1908	ϑ Persei. 4m.1. AR.	Δ	ϑ Persei. Dekl. +	Δ	τ Ceti. 4m.0. AR.	Δ	τ Ceti. Dekl. −	Δ
	2h 37m		48° 50′		2h 39m		14° 14′	
Jan. 1	54.47	18	28.8	7	44.37	11	65.2	10
11	54.29	21	29.5	3	44.26	13	66.2	8
21	54.08	24	29.8	0	44.13	15	67.0	5
31	53.84	26	29.8	5	43.98	15	67.5	3
Febr. 10	53.58	25	29.3	8	43.83	16	67.8	0
20	53.33	24	28.5	12	43.67	15	67.8	3
März 1	53.09	22	27.3	14	43.52	14	67.5	6
11	52.87	18	25.9	17	43.38	11	66.9	9
21	52.69	13	24.2	18	43.27	9	66.0	11
31	52.56	7	22.4	18	43.18	5	64.9	15
April 10	52.49	0	20.6	18	43.13	0	63.4	16
20	52.49	6	18.8	17	43.13	3	61.8	19
30	52.55	15	17.1	16	43.16	9	59.9	23
Mai 10	52.70	20	15.5	13	43.25	14	57.6	23
20	52.90	26	14.2	9	43.39	17	55.3	24
30	53.16	31	13.3	6	43.56	22	52.9	24
Juni 9	53.47	36	12.7	2	43.78	24	50.5	24
19	53.83	39	12.5	1	44.02	28	48.1	23
29	54.22	41	12.6	5	44.30	29	45.8	23
Juli 9	54.63	43	13.1	8	44.59	30	43.5	21
19	55.06	43	13.9	11	44.89	31	41.4	18
29	55.49	43	15.0	15	45.20	31	39.6	15
Aug. 8	55.92	41	16.5	17	45.51	29	38.1	12
18	56.33	39	18.2	19	45.80	28	36.9	9
28	56.72	36	20.1	22	46.08	26	36.0	4
Sept. 7	57.08	34	22.3	22	46.34	24	35.6	1
17	57.42	29	24.5	24	46.58	21	35.5	3
27	57.71	26	26.9	24	46.79	18	35.8	7
Okt. 7	57.97	22	29.3	24	46.97	15	36.5	9
17	58.19	17	31.7	25	47.12	12	37.4	12
27	58.36	13	34.2	23	47.24	9	38.6	14
Nov. 6	58.49	8	36.5	22	47.33	5	40.0	15
16	58.57	4	38.7	21	47.38	2	41.5	16
26	58.61	1	40.8	18	47.40	1	43.1	15
Dez. 6	58.60	7	42.6	16	47.39	4	44.6	14
16	58.53	11	44.2	13	47.35	7	46.0	13
26	58.42	16	45.5	9	47.28	9	47.3	12
36	58.26		46.4		47.19		48.5	
Mittl. Ort	54.58		23.2		44.62		52.7	
	93)				97)			

1908	μ Ceti. 4m.2. AR.	Δ	μ Ceti. Dekl. +	Δ	41 Arietis. 3m.6. AR.	Δ	41 Arietis. Dekl. +	Δ
	2h 39m		9° 43′		2h 44m		26° 52′	
Jan. 1	57.69	10	28.7	5	33.64	11	54.1	0
11	57.59	12	28.2	5	33.53	13	54.1	1
21	57.47	14	27.7	5	33.40	16	54.0	3
31	57.33	14	27.2	5	33.24	17	53.7	5
Febr. 10	57.19	15	26.7	4	33.07	17	53.2	7
20	57.04	15	26.3	4	32.90	17	52.5	7
März 1	56.89	13	25.9	3	32.73	15	51.8	9
11	56.76	11	25.6	2	32.58	12	50.9	9
21	56.65	7	25.4	1	32.46	10	50.0	8
31	56.58	4	25.3	2	32.36	5	49.2	8
April 10	56.54	0	25.5	3	32.31	0	48.4	7
20	56.54	5	25.8	5	32.31	5	47.7	5
30	56.59	10	26.3	8	32.36	11	47.2	3
Mai 10	56.69	15	27.1	10	32.47	16	46.9	1
20	56.84	19	28.1	12	32.63	20	46.8	2
30	57.03	22	29.3	13	32.83	24	47.0	5
Juni 9	57.25	26	30.6	15	33.07	28	47.5	7
19	57.51	28	32.1	16	33.35	30	48.2	9
29	57.79	30	33.7	17	33.65	33	49.1	12
Juli 9	58.09	31	35.4	18	33.98	33	50.3	13
19	58.40	31	37.2	17	34.31	34	51.6	15
29	58.71	31	38.9	16	34.65	34	53.1	16
Aug. 8	59.02	29	40.5	16	34.99	32	54.7	16
18	59.31	28	42.1	13	35.31	31	56.3	16
28	59.59	26	43.4	12	35.62	28	57.9	17
Sept. 7	59.85	24	44.6	10	35.90	27	59.6	16
17	60.09	21	45.6	8	36.17	23	61.2	15
27	60.30	19	46.4	6	36.40	21	62.7	14
Okt. 7	60.49	16	47.0	4	36.61	18	64.1	14
17	60.65	13	47.4	2	36.79	14	65.5	12
27	60.78	10	47.6	0	36.93	12	66.7	10
Nov. 6	60.88	6	47.6	1	37.05	8	67.7	10
16	60.94	4	47.5	2	37.13	4	68.7	8
26	60.98	1	47.3	3	37.17	1	69.5	6
Dez. 6	60.99	2	47.0	4	37.18	2	70.1	5
16	60.97	6	46.6	4	37.16	6	70.6	3
26	60.91	8	46.2	5	37.10	9	70.9	2
36	60.83		45.7		37.01		71.1	
Mittl. Ort	58.01		33.9		33.91		54.2	
	98)				100)			

1908	β Fornacis. $4^m.4$.				τ² Eridani. $4^m.8$.				τ Persei. $4^m.0$.				η Eridani. $3^m.7$.			
	AR.		Dekl. —		AR.		Dekl. —		AR.		Dekl. +		AR.		Dekl. —	
	$2^h\,45^m$		32° 47′		$2^h\,46^m$		21° 22′		$2^h\,47^m$		52° 23′		$2^h\,51^m$		9° 15′	
Jan. 1	14.35	15	48.4	13	51.76	12	73.1	12	43.68	20	17.3	10	55.72	10	61.0	10
11	14.20	17	49.7	9	51.64	14	74.3	9	43.48	24	18.3	5	55.62	12	62.0	8
21	14.03	19	50.6	5	51.50	16	75.2	5	43.24	26	18.8	1	55.50	14	62.8	6
31	13.84	20	51.1	0	51.34	17	75.7	2	42.98	28	18.9	—3	55.36	15	63.4	4
Febr. 10	13.64	19	51.1	4	51.17	17	75.9	—1	42.70	28	18.6	7	55.21	16	63.8	1
20	13.45	19	50.7	8	51.00	16	75.8	4	42.42	27	17.9	11	55.05	15	63.9	—1
März 1	13.26	18	49.9	12	50.84	16	75.4	9	42.15	25	16.8	14	54.90	14	63.8	4
11	13.08	15	48.7	17	50.68	12	74.5	11	41.90	21	15.4	17	54.76	12	63.4	6
21	12.93	11	47.0	19	50.56	10	73.4	15	41.69	15	13.7	19	54.64	9	62.8	9
31	12.82	8	45.1	23	50.46	7	71.9	17	41.54	9	11.8	19	54.55	6	61.9	11
April 10	12.74	4	42.8	26	50.39	2	70.2	20	41.45	3	9.9	19	54.49	1	60.8	14
20	12.70	—2	40.2	27	50.37	—3	68.2	23	41.42	—4	8.0	19	54.48	—3	59.4	16
30	12.72	8	37.5	32	50.40	8	65.9	27	41.46	14	6.1	19	54.51	8	57.8	20
Mai 10	12.80	12	34.3	31	50.48	12	63.2	26	41.60	20	4.2	14	54.59	12	55.8	20
20	12.92	17	31.2	31	50.60	17	60.6	26	41.80	26	2.8	12	54.71	17	53.8	21
30	13.09	22	28.1	31	50.77	21	58.0	27	42.06	32	1.6	8	54.88	20	51.7	22
Juni 9	13.31	25	25.0	29	50.98	24	55.3	27	42.38	37	0.8	5	55.08	24	49.5	23
19	13.56	29	22.1	28	51.22	27	52.6	25	42.75	41	0.3	1	55.32	26	47.2	22
29	13.85	31	19.3	25	51.49	30	50.1	24	43.16	43	0.2	—3	55.58	29	45.0	21
Juli 9	14.16	32	16.8	22	51.79	31	47.7	21	43.59	45	0.5	6	55.87	30	42.9	20
19	14.48	34	14.6	18	52.10	31	45.6	19	44.04	46	1.1	10	56.17	30	40.9	19
29	14.82	34	12.8	14	52.41	31	43.7	15	44.50	45	2.1	13	56.47	30	39.0	16
Aug. 8	15.16	33	11.4	9	52.72	31	42.2	11	44.95	45	3.4	16	56.77	30	37.4	12
18	15.49	31	10.5	4	53.03	29	41.1	7	45.40	42	5.0	18	57.07	28	36.2	10
28	15.80	29	10.1	—1	53.32	27	40.4	2	45.82	40	6.8	21	57.35	26	35.2	6
Sept. 7	16.09	26	10.2	6	53.59	25	40.2	—2	46.22	36	8.9	22	57.61	25	34.6	3
17	16.35	24	10.8	11	53.84	22	40.4	5	46.58	33	11.1	24	57.86	21	34.3	—1
27	16.59	20	11.9	15	54.06	19	40.9	10	46.91	29	13.5	25	58.07	19	34.4	4
Okt. 7	16.79	16	13.4	18	54.25	15	41.9	13	47.20	25	16.0	25	58.26	17	34.8	7
17	16.95	12	15.2	21	54.40	13	43.2	16	47.45	20	18.5	26	58.43	13	35.5	9
27	17.07	8	17.3	23	54.53	9	44.8	18	47.65	15	21.1	25	58.56	10	36.4	11
Nov. 6	17.15	5	19.6	24	54.62	5	46.6	18	47.80	11	23.6	24	58.66	7	37.5	13
16	17.20	0	22.0	23	54.67	2	48.4	19	47.91	4	26.0	23	58.73	4	38.8	13
26	17.20	3	24.3	23	54.69	—1	50.3	19	47.95	—1	28.3	20	58.77	0	40.1	13
Dez. 6	17.17	7	26.6	21	54.68	4	52.2	18	47.94	6	30.3	18	58.77	2	41.4	13
16	17.10	10	28.7	17	54.64	7	54.0	15	47.88	12	32.1	15	58.75	5	42.7	12
26	17.00	13	30.4	15	54.57	11	55.5	13	47.76	17	33.6	11	58.70	9	43.9	11
36	16.87		31.9		54.46		56.8		47.59		34.7		58.61		45.0	
Mittl. Ort	14.39		31.2		51.91		58.9		43.67		11.2		55.93		50.3	
	101)				102)				103)				104)			

1908	47 H. Cephei. $5^{m}.8$.				ϑ Eridani. $2^{m}.9$.				α Ceti. $2^{m}.5$.				γ Persei. $3^{m}.0$.			
	AR.		Dekl. +		AR.		Dekl. —		AR.		Dekl. +		AR.		Dekl. +	
	$2^{h}\ 53^{m}$		79° 3′		$2^{h}\ 54^{m}$		40° 40′		$2^{h}\ 57^{m}$		3° 43′		$2^{h}\ 58^{m}$		53° 8′	
Jan. 1	51.19	82	31.8	19	46.46	18	41.3	15	27.89	9	38.2	7	7.64	19	53.9	11
11	50.37	94	33.7	13	46.28	20	42.8	9	27.80	11	37.5	6	7.45	23	55.0	6
21	49.43	103	35.0	7	46.08	22	43.7	5	27.69	14	36.9	5	7.22	27	55.6	2
31	48.40	106	35.7	2	45.86	23	44.2	0	27.55	15	36.4	4	6.95	28	55.8	— 1
Febr. 10	47.34	107	35.9	— 5	45.63	23	44.2	4	27.40	15	36.0	4	6.67	29	55.7	6
20	46.27	103	35.4	11	45.40	23	43.8	10	27.25	15	35.6	2	6.38	28	55.1	10
März 1	45.24	93	34.3	16	45.17	21	42.8	14	27.10	14	35.4	1	6.10	26	54.1	13
11	44.31	80	32.7	20	44.96	18	41.4	18	26.96	12	35.3	— 1	5.84	23	52.8	16
21	43.51	64	30.7	24	44.78	15	39.6	22	26.84	9	35.4	3	5.61	17	51.2	18
31	42.87	45	28.3	26	44.63	11	37.4	25	26.75	6	35.7	4	5.44	11	49.4	19
April 10	42.42	23	25.7	28	44.52	5	34.9	28	26.69	1	36.1	6	5.33	4	47.5	20
20	42.19	1	22.9	28	44.47	1	32.1	31	26.68	— 3	36.7	9	5.29	— 3	45.5	19
30	42.18	— 24	20.1	30	44.46	— 5	29.0	35	26.71	8	37.6	11	5.32	12	43.6	19
Mai 10	[6] 42.42	43	17.1	26	[6] 44.51	11	25.5	33	[7] 26.79	13	38.7	13	[7] 5.44	18	41.7	15
20	42.85	63	14.5	23	44.62	16	22.2	33	26.92	16	40.0	15	5.62	25	40.2	13
30	43.48	81	12.2	19	44.78	21	18.9	33	27.08	21	41.5	16	5.87	32	38.9	9
Juni 9	44.29	96	10.3	16	44.99	26	15.6	31	27.29	24	43.1	17	6.19	36	38.0	6
19	45.25	109	8.7	11	45.25	29	12.5	29	27.53	27	44.8	18	6.55	41	37.4	3
29	46.34	118	7.6	7	45.54	33	9.6	26	27.80	28	46.6	18	6.96	43	37.1	— 1
Juli 9	47.52	125	6.9	1	45.87	34	7.0	23	28.08	30	48.4	17	7.39	46	37.2	5
19	48.77	128	6.8	— 3	46.21	36	4.7	18	28.38	31	50.1	18	7.85	47	37.7	8
29	50.05	130	7.1	8	46.57	36	2.9	14	28.69	30	51.9	16	8.32	46	38.5	12
Aug. 8	51.35	127	7.9	13	46.93	35	1.5	8	28.99	30	53.5	14	8.78	46	39.7	15
18	52.62	123	9.2	17	47.28	34	0.7	3	29.29	28	54.9	12	9.24	43	41.2	17
28	53.85	117	10.9	21	47.62	33	0.4	— 3	29.57	27	56.1	10	9.67	42	42.9	20
Sept. 7	55.02	108	13.0	25	47.95	29	0.7	8	29.84	24	57.1	8	10.09	38	44.9	21
17	56.10	97	15.5	28	48.24	26	1.5	12	30.08	22	57.9	5	10.47	35	47.0	23
27	57.07	84	18.3	31	48.50	22	2.7	18	30.30	20	58.4	2	10.82	31	49.3	24
Okt. 7	57.91	71	21.4	33	48.72	18	4.5	21	30.50	17	58.6	0	11.13	27	51.7	26
17	58.62	54	24.7	34	48.90	13	6.6	25	30.67	14	58.6	2	11.40	21	54.3	25
27	59.16	37	28.1	35	49.03	10	9.1	26	30.81	11	58.4	3	11.61	18	56.8	25
Nov. 6	59.53	18	31.6	35	49.13	4	11.7	26	30.92	9	58.1	6	11.79	12	59.3	24
16	59.71	— 1	35.1	34	49.17	0	14.3	27	31.01	5	57.5	6	11.91	7	61.7	23
26	59.70	19	38.5	32	49.17	4	17.0	25	31.06	2	56.9	6	11.98	0	64.0	21
Dez. 6	59.51	39	41.7	30	49.13	8	19.5	24	31.08	— 1	56.3	7	11.98	5	66.1	19
16	59.12	58	44.7	26	49.05	13	21.9	20	31.07	5	55.6	8	11.93	11	68.0	16
26	58.54	72	47.3	21	48.92	15	23.9	17	31.02	7	54.8	6	11.82	16	69.6	13
36	57.82		49.4		48.77		25.6		30.95		54.2		11.66		70.9	
Mittl. Ort	49.02		22.1		46.30		22.7		28.12		45.1		7.56		48.0	
	105)				106)				107)				108)			

1908	ρ Persei. ($3^m.8$). AR.		Dekl. +		μ Horologii. $5^m.1$. AR.		Dekl. —		β Persei. ($2^m.2$). AR.		Dekl. +		δ Arietis. $4^m.3$. AR.		Dekl. +	
	$2^h\ 59^m$		38° 28′		$3^h\ 1^m$		60° 5′		$3^h\ 2^m$		40° 35′		$3^h\ 6^m$		19° 22′	
Jan. 1	16.46	12	66.1	5	27.51	32	61.5	15	10.59	13	69.3	6	21.75	9	42.8	2
11	16.34	16	66.6	3	27.19	37	63.0	9	10.46	16	69.9	4	21.66	12	42.6	2
21	16.18	18	66.9	1	26.82	39	63.9	4	10.30	19	70.3	0	21.54	14	42.4	3
31	16.00	21	66.8	3	26.43	40	64.3	2	10.11	21	70.3	3	21.40	16	42.1	4
Febr. 10	15.79	20	66.5	6	26.03	40	64.1	8	9.90	22	70.0	6	21.24	16	41.7	5
20	15.59	20	65.9	8	25.63	39	63.3	13	9.68	21	69.4	8	21.08	16	41.2	5
März 1	15.39	19	65.1	11	25.24	36	62.0	18	9.47	20	68.6	11	20.92	16	40.7	6
11	15.20	16	64.0	12	24.88	33	60.2	23	9.27	17	67.5	12	20.76	13	40.1	5
21	15.04	13	62.8	13	24.55	27	57.9	27	9.10	13	66.3	14	20.63	10	39.6	4
31	14.91	7	61.5	13	24.28	22	55.2	30	8.97	8	64.9	13	20.53	7	39.2	4
April 10	14.84	3	60.2	13	24.06	14	52.2	33	8.89	3	63.6	14	20.46	2	38.8	2
20	14.81	4	58.9	11	23.92	8	48.9	36	8.86	3	62.2	13	20.44	3	38.6	1
30	14.85	10	57.8	11	23.84	1	45.3	40	8.89	10	60.9	12	20.47	8	38.5	1
Mai 10	[7] 14.95	16	56.7	8	[8] 23.85	9	41.3	37	[8] 8.99	16	59.7	9	[9] 20.55	13	38.6	4
20	15.11	21	55.9	5	23.94	17	37.6	36	9.15	20	58.8	6	20.68	17	39.0	5
30	15.32	25	55.4	2	24.11	24	34.0	36	9.35	26	58.2	4	20.85	21	39.5	8
Juni 9	15.57	30	55.2	1	24.35	31	30.4	33	9.61	30	57.8	1	21.06	25	40.3	9
19	15.87	33	55.3	3	24.66	37	27.1	30	9.91	34	57.7	3	21.31	28	41.2	11
29	16.20	35	55.6	6	25.03	42	24.1	27	10.25	36	58.0	5	21.59	30	42.3	13
Juli 9	16.55	37	56.2	9	25.45	45	21.4	22	10.61	37	58.5	8	21.89	32	43.6	14
19	16.92	37	57.1	12	25.90	49	19.2	17	10.98	39	59.3	11	22.21	32	45.0	15
29	17.29	38	58.3	13	26.39	49	17.5	12	11.37	38	60.4	13	22.53	32	46.5	14
Aug. 8	17.67	36	59.6	16	26.88	50	16.3	5	11.75	38	61.7	15	22.85	31	47.9	15
18	18.03	35	61.2	16	27.38	48	15.8	0	12.13	36	63.2	16	23.16	30	49.4	14
28	18.38	33	62.8	18	27.86	45	15.8	7	12.49	34	64.8	18	23.46	29	50.8	14
Sept. 7	18.71	30	64.6	18	28.31	42	16.5	12	12.83	31	66.6	19	23.75	26	52.2	12
17	19.01	28	66.4	19	28.73	36	17.7	18	13.14	29	68.5	19	24.01	24	53.4	12
27	19.29	25	68.3	19	29.09	31	19.5	23	13.43	26	70.4	19	24.25	22	54.6	10
Okt. 7	19.54	22	70.2	18	29.40	25	21.8	26	13.69	22	72.3	19	24.47	19	55.6	8
17	19.76	18	72.0	18	29.65	17	24.4	30	13.91	19	74.2	19	24.66	17	56.4	7
27	19.94	14	73.8	17	29.82	10	27.4	31	14.10	15	76.1	18	24.83	13	57.1	5
Nov. 6	20.08	11	75.5	16	29.92	2	30.5	31	14.25	11	77.9	18	24.96	10	57.6	5
16	20.19	7	77.1	15	29.94	6	33.6	31	14.36	7	79.7	16	25.06	7	58.1	3
26	20.26	2	78.6	13	29.88	12	36.7	29	14.43	3	81.3	15	25.13	3	58.4	2
Dez. 6	20.28	2	79.9	11	29.76	19	39.6	26	14.46	2	82.8	12	25.16	0	58.6	1
16	20.26	6	81.0	10	29.57	25	42.2	22	14.44	6	84.0	10	25.16	3	58.7	0
26	20.20	10	82.0	6	29.32	31	44.4	18	14.38	10	85.0	8	25.13	7	58.7	1
36	20.10		82.6		29.01		46.2		14.28		85.8		25.06		58.6	
Mittl. Ort	16.59		63.4		26.59		40.0		10.69		66.2		21.94		45.2	
		109)				110)				111)				114)		

1908	12 Eridani. $3^m.6$.				48 H. Cephei. $5^m.9$.				α Persei. $1^m.9$.				o Tauri. $3^m.6$.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	$3^h\ 8^m$		$29°\ 20'$		$3^h\ 8^m$		$77°\ 23'$		$3^h\ 17^m$		$49°\ 31'$		$3^h\ 19^m$		$8°\ 42'$	
Jan. 1	9.79	13	73.5	14	38.77	65	60.9	20	45.02	15	68.1	10	51.50	8	14.5	5
11	9.66	15	74.9	11	38.12	77	62.9	14	44.87	19	69.1	8	51.42	10	14.0	5
21	9.51	18	76.0	7	37.35	87	64.3	9	44.68	23	69.9	3	51.32	13	13.5	5
31	9.33	19	76.7	2	36.48	91	65.2	3	44.45	26	70.2	0	51.19	15	13.0	4
Febr. 10	9.14	19	76.9	1	35.57	93	65.5	3	44.19	26	70.2	4	51.04	16	12.6	3
20	8.95	19	76.8	6	34.64	90	65.2	8	43.93	27	69.8	8	50.88	16	12.3	3
März 1	8.76	18	76.2	10	33.74	83	64.4	14	43.66	24	69.0	10	50.72	15	12.0	2
11	8.58	16	75.2	13	32.91	73	63.0	19	43.42	22	68.0	14	50.57	13	11.8	1
21	8.42	14	73.9	17	32.18	60	61.1	22	43.20	18	66.6	15	50.44	11	11.7	0
31	8.28	9	72.2	20	31.58	43	58.9	25	43.02	12	65.1	17	50.33	8	11.7	2
April 10	8.19	5	70.2	24	31.15	25	56.4	27	42.90	7	63.4	17	50.25	3	11.9	3
20	8.14	1	67.8	25	30.90	6	53.7	27	42.83	1	61.7	17	50.22	1	12.2	5
30	8.13	4	65.3	28	30.84	13	51.0	28	42.84	7	60.0	16	50.23	5	12.7	7
Mai 10	8.17	11	62.5	32	30.97	36	48.2	28	42.91	16	58.4	16	50.28	12	13.4	11
20	[10] 8.28	14	59.3	30	[10] 31.33	51	45.4	23	[12] 43.07	22	56.8	12	[13] 50.40	15	14.5	11
30	8.42	20	56.3	30	31.84	67	43.1	20	43.29	27	55.6	9	50.55	19	15.6	13
Juni 9	8.62	23	53.3	29	32.51	81	41.1	17	43.56	33	54.7	6	50.74	23	16.9	14
19	8.85	26	50.4	28	33.32	93	39.4	13	43.89	36	54.1	3	50.97	25	18.3	15
29	9.11	29	47.6	26	34.25	102	38.1	8	44.25	40	53.8	1	51.22	28	19.8	16
Juli 9	9.40	31	45.0	23	35.27	109	37.3	3	44.65	42	53.9	3	51.50	30	21.4	16
19	9.71	32	42.7	20	36.36	113	37.0	1	45.07	43	54.2	7	51.80	30	23.0	16
29	10.03	32	40.7	15	37.49	115	37.1	6	45.50	44	54.9	10	52.10	31	24.6	15
Aug. 8	10.35	33	39.2	11	38.64	114	37.7	11	45.94	44	55.9	13	52.41	30	26.1	14
18	10.68	31	38.1	7	39.78	110	38.8	15	46.38	42	57.2	15	52.71	29	27.5	13
28	10.99	30	37.4	1	40.88	106	40.3	19	46.80	40	58.7	17	53.00	28	28.8	10
Sept. 7	11.29	27	37.3	3	41.94	100	42.2	23	47.20	38	60.4	19	53.28	26	29.8	9
17	11.56	25	37.6	8	42.94	91	44.5	26	47.58	35	62.3	20	53.54	24	30.7	6
27	11.81	21	38.4	13	43.85	80	47.1	29	47.93	31	64.3	21	53.78	22	31.3	5
Okt. 7	12.02	19	39.7	16	44.65	69	50.0	32	48.24	28	66.4	22	54.00	19	31.8	2
17	12.21	14	41.3	19	45.34	55	53.2	33	48.52	23	68.6	22	54.19	17	32.0	0
27	12.35	11	43.2	21	45.89	40	56.5	34	48.75	20	70.8	23	54.36	14	32.0	1
Nov. 6	12.46	7	45.3	23	46.29	24	59.9	34	48.95	15	73.1	22	54.50	10	31.9	2
16	12.53	4	47.6	23	46.53	9	63.3	33	49.10	9	75.3	21	54.60	8	31.7	4
26	12.57	1	49.9	23	46.62	10	66.6	32	49.19	5	77.4	19	54.68	5	31.3	4
Dez. 6	12.56	4	52.2	20	46.52	26	69.8	30	49.24	1	79.3	18	54.73	1	30.9	5
16	12.52	7	54.2	19	46.26	42	72.8	26	49.23	7	81.1	15	54.74	3	30.4	5
26	12.45	11	56.1	16	45.84	57	75.4	23	49.16	12	82.6	13	54.71	6	29.9	5
36	12.34		57.7		45.27		77.7		49.04		83.9		54.65		29.4	
Mittl. Ort	9.72		58.0		36.81		51.9		44.92		63.5		51.64		19.8	
			117)				115)				120)				121)	

1908	2 H. Camelop. 4^m.4 AR.		Dekl. +		*f* Tauri. 4^m.1 AR.		Dekl. +		ε Eridani. 3^m.5 AR.		Dekl. —		δ Persei. 3^m.0 AR.		Dekl. +	
	3^h 21^m		59° 37′		3^h 25^m		12° 37′		3^h 28^m		9° 45′		3^h 36^m		47° 29′	
	s		″		s		″		s		″		s		″	
Jan. 1	37.02	21	19.8	15	47.39	7	14.2	4	35.71	9	79.7	12	22.32	12	42.0	11
11	36.81	27	21.3	10	47.32	11	13.8	3	35.62	11	80.9	9	22.20	17	43.1	8
21	36.54	31	22.3	7	47.21	13	13.5	4	35.51	14	81.8	7	22.03	21	43.9	5
31	36.23	35	23.0	1	47.08	15	13.1	4	35.37	15	82.5	5	21.82	24	44.4	1
Febr. 10	35.88	36	23.1	— 3	46.93	16	12.7	4	35.22	17	83.0	2	21.58	25	44.5	— 2
20	35.52	36	22.8	7	46.77	16	12.3	3	35.05	17	83.2	0	21.33	26	44.3	6
März 1	35.16	34	22.1	11	46.61	16	12.0	3	34.88	16	83.2	3	21.07	25	43.7	9
11	34.82	30	21.0	16	46.45	14	11.7	2	34.72	15	82.9	5	20.82	22	42.8	11
21	34.52	24	19.4	17	46.31	11	11.5	2	34.57	12	82.4	8	20.60	18	41.7	14
31	34.28	17	17.7	20	46.20	8	11.3	0	34.45	9	81.6	11	20.42	14	40.3	15
April 10	34.11	10	15.7	22	46.12	4	11.3	1	34.36	5	80.5	13	20.28	8	38.8	15
20	34.01	2	13.5	21	46.08	0	11.4	3	34.31	1	79.2	15	20.20	1	37.3	16
30	33.99	— 9	11.4	21	46.08	6	11.7	5	34.30	— 3	77.7	18	20.19	— 5	35.7	15
Mai 10	34.08	16	9.3	21	46.14	11	12.2	8	34.33	9	75.9	21	20.24	13	34.2	15
20	[13] 34.24	25	7.2	17	[14] 46.25	15	13.0	9	[15] 34.42	13	73.8	21	[17] 20.37	18	32.7	12
30	34.49	32	5.5	14	46.40	19	13.9	10	34.55	18	71.7	22	20.55	24	31.5	9
Juni 9	34.81	39	4.1	11	46.59	22	14.9	12	34.73	20	69.5	23	20.79	30	30.6	7
19	35.20	45	3.0	7	46.81	26	16.1	13	34.93	24	67.2	22	21.09	34	29.9	3
29	35.65	48	2.3	4	47.07	28	17.4	15	35.17	27	65.0	22	21.43	37	29.6	1
Juli 9	36.13	51	1.9	— 1	47.35	30	18.9	15	35.44	28	62.8	20	21.80	40	29.5	— 3
19	36.64	53	2.0	3	47.65	31	20.4	14	35.72	29	60.8	19	22.20	42	29.8	5
29	37.17	55	2.3	7	47.96	30	21.8	15	36.01	30	58.9	16	22.62	42	30.3	8
Aug. 8	37.72	53	3.0	12	48.26	31	23.3	14	36.31	29	57.3	14	23.04	42	31.1	11
18	38.25	53	4.2	14	48.57	30	24.7	12	36.60	29	55.9	10	23.46	42	32.2	13
28	38.78	50	5.6	17	48.87	28	25.9	12	36.89	28	54.9	7	23.88	40	33.5	14
Sept. 7	39.28	48	7.3	20	49.15	27	27.1	9	37.17	26	54.2	3	24.28	38	34.9	17
17	39.76	43	9.3	22	49.42	25	28.0	8	37.43	24	53.9	— 1	24.66	35	36.6	18
27	40.19	40	11.5	24	49.67	22	28.8	6	37.67	22	54.0	4	25.01	33	38.4	19
Okt. 7	40.59	35	13.9	26	49.89	21	29.4	4	37.89	19	54.4	7	25.34	29	40.3	20
17	40.94	30	16.5	26	50.10	17	29.8	3	38.08	16	55.1	10	25.63	26	42.3	20
27	41.24	24	19.1	27	50.27	15	30.1	1	38.24	14	56.1	12	25.89	21	44.3	20
Nov. 6	41.48	18	21.8	27	50.42	12	30.2	— 1	38.38	10	57.3	14	26.10	17	46.3	21
16	41.66	11	24.5	26	50.54	8	30.1	1	38.48	7	58.7	14	26.27	13	48.4	19
26	41.77	4	27.1	25	50.62	5	30.0	2	38.55	4	60.1	15	26.40	7	50.3	19
Dez. 6	41.81	— 3	29.6	23	50.67	2	29.8	2	38.59	0	61.6	15	26.47	2	52.2	17
16	41.78	11	31.9	20	50.69	— 2	29.6	4	38.59	3	63.1	13	26.49	— 4	53.9	15
26	41.67	17	33.9	17	50.67	6	29.2	3	38.56	6	64.4	12	26.45	9	55.4	13
36	41.50		35.6		50.61		28.9		38.50		65.6		26.36		56.7	
Mittl. Ort	36.62		13.5		47.50		18.5		35.73		69.7		22.17		38.3	
	122)				125)				127)				131)			

1908	ν Persei. 3m.9.				5 H. Camelop. 4m.5.				η Tauri. 3m.0.				τ⁶ Eridani. 4m.1.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. —	
	3h 38m		42° 17′		3h 40m		71° 2′		3h 41m		23° 49′		3h 42m		23° 30′	
Jan. 1	56.45	10	21.2	9	39.12	33	65.8	21	60.75	7	14.6	1	53.53	9	88.7	16
11	56.35	15	22.1	7	38.79	43	67.9	16	60.68	10	14.7	1	53.44	13	90.3	12
21	56.20	18	22.8	3	38.36	51	69.5	11	60.58	13	14.8	— 1	53.31	15	91.5	10
31	56.02	21	23.1	1	37.85	57	70.6	6	60.45	16	14.7	2	53.16	18	92.5	6
Febr. 10	55.81	23	23.2	— 2	37.28	60	71.2	1	60.29	18	14.5	3	52.98	19	93.1	2
20	55.58	23	23.0	6	36.68	60	71.3	— 5	60.11	18	14.2	4	52.79	19	93.3	— 2
März 1	55.35	22	22.4	7	36.08	57	70.8	10	59.93	17	13.8	5	52.60	19	93.1	5
11	55.13	20	21.7	10	35.51	52	69.8	14	59.76	16	13.3	6	52.41	17	92.6	9
21	54.93	17	20.7	12	34.99	44	68.4	19	59.60	13	12.7	5	52.24	15	91.7	13
31	54.76	12	19.5	13	34.55	35	66.5	21	59.47	10	12.2	5	52.09	11	90.4	15
April 10	54.64	8	18.2	14	34.20	23	64.4	24	59.37	6	11.7	4	51.98	8	88.9	19
20	54.56	1	16.8	13	33.97	10	62.0	25	59.31	1	11.3	4	51.90	4	87.0	21
30	54.55	— 5	15.5	12	33.87	— 2	59.5	25	59.30	— 4	10.9	2	51.86	— 1	84.9	24
Mai 10	54.60	12	14.3	12	33.89	18	57.0	26	59.34	10	10.7	0	51.87	7	82.5	28
20	[17] 54.72	17	13.1	9	[18] 34.07	29	54.4	23	[18] 59.44	15	10.7	2	[18] 51.94	11	79.7	27
30	54.89	23	12.2	6	34.36	41	52.1	20	59.59	19	10.9	3	52.05	15	77.0	28
Juni 9	55.12	27	11.6	5	34.77	52	50.1	18	59.78	23	11.2	6	52.20	20	74.2	27
19	55.39	31	11.1	1	35.29	60	48.3	14	60.01	26	11.8	7	52.40	23	71.5	27
29	55.70	35	11.0	— 1	35.89	68	46.9	9	60.27	29	12.5	9	52.63	26	68.8	25
Juli 9	56.05	37	11.1	5	36.57	73	46.0	6	60.56	31	13.4	10	52.89	28	66.3	23
19	56.42	38	11.6	6	37.30	78	45.4	2	60.87	32	14.4	11	53.17	30	64.0	21
29	56.80	39	12.2	9	38.08	80	45.2	— 3	61.19	33	15.5	12	53.47	31	61.9	17
Aug. 8	57.19	39	13.1	10	38.88	81	45.5	7	61.52	32	16.7	13	53.78	31	60.2	14
18	57.58	38	14.1	13	39.69	80	46.2	11	61.84	32	18.0	12	54.09	30	58.8	8
28	57.96	38	15.4	14	40.49	78	47.3	15	62.16	31	19.2	12	54.39	29	58.0	5
Sept. 7	58.34	35	16.8	16	41.27	74	48.8	18	62.47	29	20.4	12	54.68	29	57.5	— 1
17	58.69	33	18.4	16	42.01	69	50.6	22	62.76	28	21.6	11	54.97	26	57.6	5
27	59.02	30	20.0	17	42.70	64	52.8	24	63.04	25	22.7	10	55.23	23	58.1	9
Okt. 7	59.32	28	21.7	18	43.34	57	55.2	27	63.29	23	23.7	9	55.46	21	59.0	13
17	59.60	24	23.5	17	43.91	49	57.9	28	63.52	20	24.6	8	55.67	18	60.3	17
27	59.84	20	25.2	18	44.40	40	60.7	31	63.72	18	25.4	7	55.85	14	62.0	19
Nov. 6	60.04	17	27.0	17	44.80	29	63.8	31	63.90	14	26.1	6	55.99	12	63.9	21
16	60.21	12	28.7	17	45.09	19	66.9	31	64.04	11	26.7	5	56.11	7	66.0	21
26	60.33	8	30.4	16	45.28	7	70.0	30	64.15	8	27.2	5	56.18	4	68.1	23
Dez. 6	60.41	3	32.0	14	45.35	— 4	73.0	28	64.23	3	27.7	3	56.22	0	70.4	21
16	60.44	— 3	33.4	13	45.31	17	75.8	26	64.26	— 1	28.0	3	56.22	4	72.5	20
26	60.41	7	34.7	10	45.14	28	78.4	23	64.25	4	28.3	2	56.18	7	74.5	17
36	60.34		35.7		44.86		80.7		64.21		28.5		56.11		76.2	
Mittl. Ort	56.36		18.6		37.86		58.8		60.79		16.2		53.35		75.8	
	134)				138)				139)				140)			

1908	β Reticuli. 3ᵐ.8.				g Eridani. 4ᵐ.1.				ζ Persei. 2ᵐ.9.				γ Hydri. 3ᵐ.1.			
	AR.		Dekl. −		AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. −	
	$3^h\ 42^m$		65° 5′		$3^h\ 45^m$		36° 28′		$3^h\ 48^m$		31° 36′		$3^h\ 48^m$		74° 30′	
Jan. 1	64.46	37	66.2	20	61.11	13	58.0	19	20.78	8	39.7	4	43.02	64	95.7	19
11	64.09	43	68.2	14	60.98	17	59.9	15	20.70	11	40.1	3	42.38	73	97.6	14
21	63.66	48	69.6	9	60.81	19	61.4	10	20.59	14	40.4	2	41.65	80	99.0	8
31	63.18	50	70.5	3	60.62	22	62.4	6	20.45	17	40.6	—1	40.85	85	99.8	3
Febr. 10	62.68	51	70.8	3	60.40	23	63.0	1	20.28	19	40.5	2	40.00	86	100.1	—3
20	62.17	51	70.5	—8	60.17	23	63.1	—4	20.09	20	40.3	4	39.14	85	99.8	9
März 1	61.66	50	69.7	14	59.94	23	62.7	8	19.89	19	39.9	6	38.29	83	98.9	14
11	61.16	46	68.3	19	59.71	21	61.9	12	19.70	18	39.3	7	37.46	78	97.5	19
21	60.70	41	66.4	23	59.50	18	60.7	17	19.52	15	38.6	8	36.68	70	95.6	24
31	60.29	35	64.1	27	59.32	16	59.0	20	19.37	11	37.8	8	35.98	62	93.2	28
April 10	59.94	28	61.4	31	59.16	11	57.0	24	19.26	7	37.0	8	35.36	51	90.4	31
20	59.66	20	58.3	33	59.05	6	54.6	26	19.19	1	36.2	7	34.85	38	87.3	33
30	59.46	11	55.0	36	58.99	1	52.0	29	19.18	—3	35.5	7	34.47	25	84.0	35
Mai 10	59.35	2	51.4	40	58.98	—5	49.1	33	19.21	9	34.8	5	34.22	12	80.5	37
20	(18) 59.33	—8	47.4	37	(19) 59.03	10	45.8	32	19.30	16	34.3	3	34.10	—4	76.8	41
30	59.41	17	43.7	36	59.13	15	42.6	33	(20) 19.46	19	34.0	1	(20) 34.14	18	72.7	36
Juni 9	59.58	26	40.1	35	59.28	19	39.3	31	19.65	24	33.9	—1	34.32	31	69.1	34
19	59.84	33	36.6	33	59.47	24	36.2	30	19.89	27	34.0	3	34.63	44	65.7	32
29	60.17	41	33.3	30	59.71	27	33.2	28	20.16	30	34.3	5	35.07	56	62.5	29
Juli 9	60.58	47	30.3	26	59.98	30	30.4	26	20.46	33	34.8	7	35.63	66	59.6	26
19	61.05	51	27.7	21	60.28	32	27.8	22	20.79	34	35.5	9	36.29	74	57.0	21
29	61.56	55	25.6	15	60.60	34	25.6	18	21.13	35	36.4	10	37.03	80	54.9	15
Aug. 8	62.11	56	24.1	10	60.94	34	23.8	13	21.48	35	37.4	10	37.83	84	53.4	9
18	62.67	57	23.1	4	61.28	33	22.5	8	21.83	34	38.4	12	38.67	84	52.5	3
28	63.24	55	22.7	—2	61.61	32	21.7	2	22.17	33	39.6	13	39.51	83	52.2	—3
Sept. 7	63.79	52	22.9	9	61.93	31	21.5	—3	22.50	31	40.9	12	40.34	79	52.5	9
17	64.31	48	23.8	15	62.24	29	21.8	9	22.81	30	42.1	13	41.13	73	53.4	15
27	64.79	43	25.3	20	62.53	26	22.7	14	23.11	28	43.4	12	41.86	64	54.9	21
Okt. 7	65.22	35	27.3	25	62.79	22	24.1	17	23.39	25	44.6	13	42.50	53	57.0	25
17	65.57	27	29.8	29	63.01	19	25.8	22	23.64	22	45.9	12	43.03	40	59.5	29
27	65.84	19	32.7	31	63.20	16	28.0	25	23.86	20	47.1	11	43.43	26	62.4	32
Nov. 6	66.03	10	35.8	33	63.36	11	30.5	26	24.06	16	48.2	11	43.69	11	65.6	33
16	66.13	0	39.1	33	63.47	6	33.1	27	24.22	12	49.3	10	43.80	—4	68.9	33
26	66.13	9	42.4	32	63.53	3	35.8	27	24.34	8	50.3	9	43.76	19	72.2	32
Dez. 6	66.04	17	45.6	30	63.56	—2	38.5	26	24.42	4	51.2	8	43.57	34	75.4	29
16	65.87	26	48.6	26	63.54	7	41.1	23	24.46	0	52.0	7	43.23	47	78.3	26
26	65.61	34	51.2	22	63.47	11	43.4	21	24.46	4	52.7	6	42.76	59	80.9	22
36	65.27		53.4		63.36		45.5		24.42		53.3		42.17		83.1	
Mittl. Ort	62.56		46.9		60.67		42.8		20.76		39.5		39.28		76.2	
	141)				143)				144)				146)			

1908	9 H. Camelop. 5ᵐ.5.				ε Persei. 3ᵐ.0.				ξ Persei. 4ᵐ.0.				γ Eridani. 3ᵐ.0.			
	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. −	Δ
	3h 49m		60° 50′		3h 51m		39° 44′		3h 52m		35° 31′		3h 53m		13° 45′	
Jan. 1	17.66	18	29.6	17	40.69	9	42.4	9	59.61	7	38.2	7	44.30	7	81.8	14
11	17.48	25	31.3	14	40.60	13	43.3	6	59.54	12	38.9	5	44.23	10	83.2	11
21	17.23	30	32.7	10	40.47	16	43.9	4	59.42	15	39.4	3	44.13	14	84.3	9
31	16.93	35	33.7	5	40.31	20	44.3	2	59.27	18	39.7	1	43.99	15	85.2	6
Febr. 10	16.58	37	34.2	0	40.11	21	44.5	2	59.09	20	39.8	2	43.84	17	85.8	3
20	16.21	39	34.2	4	39.90	23	44.3	4	58.89	21	39.6	4	43.67	18	86.1	0
März 1	15.82	36	33.8	8	39.67	21	43.9	7	58.68	21	39.2	6	43.49	17	86.1	3
11	15.46	34	33.0	13	39.46	20	43.2	8	58.47	18	38.6	7	43.32	16	85.8	5
21	15.12	29	31.7	15	39.26	17	42.4	10	58.29	16	37.9	9	43.16	15	85.3	9
31	14.83	23	30.2	19	39.09	13	41.4	11	58.13	13	37.0	10	43.01	11	84.4	11
April 10	14.60	15	28.3	20	38.96	8	40.3	12	58.00	7	36.0	10	42.90	7	83.3	15
20	14.45	6	26.3	21	38.88	3	39.1	12	57.93	3	35.0	9	42.83	4	81.8	16
30	14.39	2	24.2	21	38.85	3	37.9	11	57.90	3	34.1	9	42.79	1	80.2	19
Mai 10	14.41	11	22.1	21	38.88	9	36.8	9	57.93	9	33.2	7	42.80	6	78.3	21
20	14.52	22	20.0	20	38.97	17	35.9	9	58.02	16	32.5	6	42.86	11	76.2	24
30	14.74	29	18.0	17	39.14	20	35.0	6	58.18	19	31.9	4	42.97	15	73.8	23
Juni 9	15.03	36	16.3	14	39.34	26	34.4	4	58.37	25	31.5	1	43.12	19	71.5	24
19	15.39	42	14.9	10	39.60	29	34.0	1	58.62	28	31.4	0	43.31	22	69.1	24
29	15.81	48	13.9	7	39.89	33	33.9	2	58.90	31	31.4	3	43.53	25	66.7	23
Juli 9	16.29	51	13.2	4	40.22	35	34.1	3	59.21	33	31.7	6	43.78	27	64.4	21
19	16.80	54	12.8	1	40.57	37	34.4	6	59.54	36	32.3	7	44.05	29	62.3	20
29	17.34	56	12.9	3	40.94	38	35.0	8	59.90	36	33.0	9	44.34	29	60.3	17
Aug. 8	17.90	57	13.2	7	41.32	37	35.8	10	60.26	35	33.9	10	44.63	30	58.6	14
18	18.47	55	13.9	11	41.69	38	36.8	11	60.61	36	34.9	11	44.93	29	57.2	10
28	19.02	54	15.0	13	42.07	36	37.9	12	60.97	34	36.0	12	45.22	29	56.2	7
Sept. 7	19.56	52	16.3	17	42.43	35	39.1	14	61.31	33	37.2	13	45.51	28	55.5	2
17	20.08	50	18.0	19	42.78	33	40.5	15	61.64	32	38.5	14	45.79	26	55.3	1
27	20.58	45	19.9	21	43.11	30	42.0	15	61.96	29	39.9	13	46.05	23	55.4	6
Okt. 7	21.03	41	22.0	23	43.41	28	43.5	15	62.25	27	41.2	14	46.28	22	56.0	9
17	21.44	37	24.3	25	43.69	25	45.0	16	62.52	24	42.6	13	46.50	18	56.9	12
27	21.81	30	26.8	26	43.94	22	46.6	16	62.76	21	43.9	13	46.68	16	58.1	14
Nov. 6	22.11	24	29.4	26	44.16	18	48.2	15	62.97	17	45.2	13	46.84	13	59.5	17
16	22.35	17	32.0	26	44.34	14	49.7	15	63.14	13	46.5	12	46.97	9	61.2	17
26	22.52	10	34.6	26	44.48	9	51.2	14	63.27	9	47.7	12	47.06	6	62.9	18
Dez. 6	22.62	2	37.2	24	44.57	4	52.6	13	63.36	5	48.9	10	47.12	3	64.7	17
16	22.64	6	39.6	22	44.61	1	53.9	12	63.41	0	49.9	10	47.15	2	66.4	16
26	22.58	14	41.8	20	44.60	5	55.1	9	63.41	5	50.9	8	47.13	5	68.0	15
36	22.44		43.8		44.55		56.0		63.36		51.7		47.08		69.5	
Mittl. Ort	17.06		24.1		40.58		40.7		59.54		37.4		44.18		71.5	
	145)				147)				148)				149)			

1908	λ Tauri. (3^m.5).				ν Tauri. 3^m.9.				c Persei. 4^m.0.				o^1 Eridani. 4^m.1.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. —	
	3^h 55^m		12° 13′		3^h 58^m		5° 43′		4^h 1^m		47° 27′		4^h 7^m		7° 4′	
Jan. 1	34^s.88	5	46″.8	4	15^s.68	6	58″.4	7	58^s.94	9	65″.8	13	22^s.55	5	45″.8	12
11	34.83	9	46.4	3	15.62	8	57.7	6	58.85	14	67.1	10	22.50	9	47.0	10
21	34.74	12	46.1	4	15.54	12	57.1	5	58.71	19	68.1	7	22.41	12	48.0	8
31	34.62	15	45.7	3	15.42	14	56.6	4	58.52	23	68.8	4	22.29	14	48.8	6
Febr. 10	34.47	16	45.4	3	15.28	16	56.2	3	58.29	25	69.2	0	22.15	17	49.4	4
20	34.31	17	45.1	2	15.12	17	55.9	2	58.04	26	69.2	3	21.98	17	49.8	1
März 1	34.14	16	44.9	3	14.95	16	55.7	1	57.78	26	68.9	6	21.81	18	49.9	1
11	33.98	16	44.6	1	14.79	15	55.6	0	57.52	24	68.3	9	21.63	16	49.8	3
21	33.82	13	44.5	1	14.64	14	55.6	2	57.28	21	67.4	12	21.47	14	49.5	6
31	33.69	10	44.4	0	14.50	10	55.8	3	57.07	16	66.2	13	21.33	11	48.9	9
April 10	33.59	7	44.4	2	14.40	7	56.1	5	56.91	11	64.9	15	21.22	8	48.0	10
20	33.52	2	44.6	3	14.33	2	56.6	6	56.80	5	63.4	15	21.14	5	47.0	13
30	33.50	3	44.9	5	14.31	2	57.2	8	56.75	2	61.9	15	21.09	1	45.7	15
Mai 10	33.53	7	45.4	6	14.33	6	58.0	10	56.77	8	60.4	14	21.10	4	44.2	17
20	33.60	13	46.0	9	14.39	12	59.0	13	56.85	17	59.0	13	21.14	11	42.5	20
30	[22] 33.73	16	46.9	9	[22] 14.51	16	60.3	13	[23] 57.02	21	57.7	11	[25] 21.25	14	40.5	20
Juni 9	33.89	20	47.8	11	14.67	19	61.6	15	57.23	27	56.6	8	21.39	17	38.5	21
19	34.09	24	48.9	13	14.86	23	63.1	15	57.50	31	55.8	6	21.56	22	36.4	21
29	34.33	26	50.2	13	15.09	25	64.6	16	57.81	36	55.2	3	21.78	24	34.3	21
Juli 9	34.59	28	51.5	13	15.34	28	66.2	15	58.17	38	54.9	0	22.02	26	32.2	19
19	34.87	30	52.8	14	15.62	29	67.7	16	58.55	41	54.9	2	22.28	28	30.3	19
29	35.17	31	54.2	13	15.91	30	69.3	14	58.96	42	55.1	5	22.56	29	28.4	16
Aug. 8	35.48	30	55.5	13	16.21	30	70.7	13	59.38	42	55.6	8	22.85	30	26.8	14
18	35.78	30	56.8	11	16.51	29	72.0	11	59.80	42	56.4	9	23.15	29	25.4	11
28	36.08	30	57.9	10	16.80	29	73.1	10	60.22	41	57.3	12	23.44	29	24.3	7
Sept. 7	36.38	28	58.9	9	17.09	28	74.1	7	60.63	39	58.5	14	23.73	27	23.6	4
17	36.66	26	59.8	6	17.37	26	74.8	4	61.02	38	59.9	15	24.00	26	23.2	1
27	36.92	25	60.4	5	17.63	24	75.2	2	61.40	36	61.4	16	24.26	25	23.1	3
Okt. 7	37.17	23	60.9	3	17.87	22	75.4	0	61.76	33	63.0	18	24.51	22	23.4	6
17	37.40	20	61.2	1	18.09	20	75.4	3	62.09	29	64.8	18	24.73	20	24.0	8
27	37.60	17	61.3	0	18.29	17	75.1	4	62.38	25	66.6	19	24.93	18	24.8	12
Nov. 6	37.77	15	61.3	2	18.46	15	74.7	5	62.63	21	68.5	19	25.11	14	26.0	13
16	37.92	11	61.1	2	18.61	11	74.2	6	62.84	16	70.4	19	25.25	11	27.3	14
26	38.03	8	60.9	3	18.72	8	73.6	7	63.00	11	72.3	19	25.36	8	28.7	14
Dez. 6	38.11	5	60.6	3	18.80	4	72.9	7	63.11	6	74.2	17	25.44	4	30.1	15
16	38.16	1	60.3	4	18.84	1	72.2	7	63.17	0	75.9	16	25.48	1	31.6	13
26	38.17	3	59.9	3	18.85	3	71.5	7	63.17	6	77.5	14	25.49	3	32.9	13
36	38.14		59.6		18.82		70.8		63.11		78.9		25.46		34.2	
Mittl. Ort	34.88		51.1		15.66		64.2		58.69		63.0		22.43		37.4	
	150)				151)				152)				154)			

1908	α Horologii. $3^m.7$. AR.		Dekl. −		α Reticuli. $3^m.2$. AR.		Dekl. −		$υ^4$ Eridani. $3^m.3$. AR.		Dekl. −		δ Tauri. $3^m.8$. AR.		Dekl. +	
	$4^h 10^m$		42° 30′		$4^h 13^m$		62° 41′		$4^h 14^m$		34° 1′		$4^h 17^m$		17° 19′	
Jan. 1	57.86	14	90.1	21	16.21	30	90.9	23	25.24	10	34.7	20	37.72	4	35.0	1
11	57.72	18	92.2	18	15.91	36	93.2	19	25.14	14	36.7	17	37.68	8	34.9	2
21	57.54	21	94.0	14	15.55	41	95.1	13	25.00	17	38.4	13	37.60	11	34.7	2
31	57.33	24	95.4	8	15.14	45	96.4	8	24.83	20	39.7	9	37.49	14	34.5	1
Febr. 10	57.09	26	96.2	3	14.69	47	97.2	2	24.63	22	40.6	4	37.35	16	34.4	3
20	56.83	27	96.5	— 1	14.22	48	97.4	— 4	24.41	24	41.0	— 1	37.19	18	34.1	2
März 1	56.56	27	96.4	7	13.74	48	97.0	9	24.17	23	40.9	5	37.01	18	33.9	2
11	56.29	25	95.7	11	13.26	45	96.1	14	23.94	21	40.4	9	36.83	16	33.7	2
21	56.04	23	94.6	16	12.81	42	94.7	19	23.73	20	39.5	13	36.67	15	33.5	2
31	55.81	20	93.0	20	12.39	37	92.8	24	23.53	17	38.2	18	36.52	12	33.3	2
April 10	55.61	16	91.0	23	12.02	30	90.4	27	23.36	13	36.4	21	36.40	8	33.1	1
20	55.45	11	88.7	27	11.72	24	87.7	31	23.23	9	34.3	24	36.32	4	33.0	0
30	55.34	5	86.0	30	11.48	16	84.6	33	23.14	4	31.9	26	36.28	0	33.0	2
Mai 10	55.29	0	83.0	32	11.32	8	81.3	35	23.10	— 1	29.3	29	36.28	6	33.2	3
20	55.29	6	79.8	35	11.24	— 2	77.8	40	23.11	7	26.4	33	36.34	11	33.5	5
30	[25] 55.35	12	76.3	34	[26] 11.26	10	73.8	37	[26] 23.18	12	23.1	32	[27] 36.45	15	34.0	6
Juni 9	55.47	17	72.9	33	11.36	19	70.1	36	23.30	17	19.9	31	36.60	19	34.6	7
19	55.64	22	69.6	32	11.55	26	66.5	34	23.47	20	16.8	30	36.79	22	35.3	9
29	55.86	25	66.4	30	11.81	33	63.1	32	23.67	24	13.8	28	37.01	26	36.2	10
Juli 9	56.11	29	63.4	27	12.14	39	59.9	28	23.91	28	11.0	27	37.27	28	37.2	10
19	56.40	33	60.7	24	12.53	44	57.1	24	24.19	30	8.3	23	37.55	29	38.2	11
29	56.73	34	58.3	20	12.97	48	54.7	19	24.49	31	6.0	20	37.84	31	39.3	11
Aug. 8	57.07	35	56.3	14	13.45	51	52.8	13	24.80	32	4.0	15	38.15	31	40.4	11
18	57.42	36	54.9	9	13.96	52	51.5	8	25.12	33	2.5	10	38.46	31	41.5	11
28	57.78	35	54.0	3	14.48	52	50.7	1	25.45	33	1.5	4	38.77	30	42.6	9
Sept. 7	58.13	34	53.7	— 2	15.00	51	50.6	— 5	25.78	31	1.1	0	39.07	30	43.5	8
17	58.47	32	53.9	8	15.51	47	51.1	11	26.09	30	1.1	6	39.37	28	44.3	7
27	58.79	30	54.7	14	15.98	43	52.2	17	26.39	27	1.7	12	39.65	27	45.0	6
Okt. 7	59.09	26	56.1	18	16.41	38	53.9	22	26.66	25	2.9	16	39.92	25	45.6	4
17	59.35	23	57.9	23	16.79	31	56.1	27	26.91	22	4.5	20	40.17	23	46.0	3
27	59.58	18	60.2	26	17.10	24	58.8	30	27.13	18	6.5	23	40.40	20	46.3	1
Nov. 6	59.76	14	62.8	29	17.34	15	61.8	32	27.31	14	8.8	26	40.60	18	46.4	1
16	59.90	10	65.7	30	17.49	7	65.0	34	27.45	10	11.4	26	40.78	14	46.5	1
26	60.00	4	68.7	29	17.56	— 1	68.4	33	27.55	6	14.0	28	40.92	11	46.6	— 1
Dez. 6	60.04	— 1	71.6	28	17.55	10	71.7	32	27.61	1	16.8	26	41.03	6	46.5	0
16	60.03	6	74.4	27	17.45	18	74.9	29	27.62	— 3	19.4	25	41.09	3	46.5	1
26	59.97	11	77.1	24	17.27	26	77.8	25	27.59	7	21.9	22	41.12	— 1	46.4	1
36	59.86		79.5		17.01		80.3		27.52		24.1		41.11		46.3	
Mittl. Ort	57.10		75.4		14.21		74.2		24.70		21.5		37.65		38.1	
	155)				156)				160)				162)			

1908	ε Tauri. 3ᵐ.5. AR.		Dekl. +		α Tauri. 1ᵐ. AR.		Dekl. +		ν Eridani. 3ᵐ.8. AR.		Dekl. —		α Doradus. 3ᵐ.2. AR.		Dekl. —	
	$4^h\,23^m$		18° 58′		$4^h\,30^m$		16° 19′		$4^h\,31^m$		3° 32′		$4^h\,31^m$		55° 13′	
Jan. 1	14.66	3	34.1	0	38.51	3	26.1	2	43.46	3	31.4	12	62.04	20	79.7	25
11	14.63	7	34.1	1	38.48	6	25.9	1	43.43	7	32.6	9	61.84	25	82.2	21
21	14.56	11	34.0	1	38.42	10	25.8	2	43.36	11	33.5	8	61.59	30	84.3	16
31	14.45	14	33.9	1	38.32	14	25.6	2	43.25	14	34.3	6	61.29	33	85.9	11
Febr. 10	14.31	17	33.8	2	38.18	17	25.4	2	43.11	16	34.9	5	60.96	36	87.0	6
20	14.14	17	33.6	2	38.01	17	25.2	2	42.95	17	35.4	2	60.60	38	87.6	0
März 1	13.97	18	33.4	2	37.84	18	25.0	1	42.78	18	35.6	0	60.22	38	87.6	6
11	13.79	17	33.2	3	37.66	17	24.9	2	42.60	16	35.6	2	59.84	36	87.0	11
21	13.62	16	32.9	2	37.49	15	24.7	2	42.44	16	35.4	4	59.48	34	85.9	16
31	13.46	12	32.7	2	37.34	13	24.5	1	42.28	13	35.0	7	59.14	31	84.3	20
April 10	13.34	9	32.5	2	37.21	9	24.4	0	42.15	9	34.3	8	58.83	25	82.3	24
20	13.25	4	32.3	0	37.12	5	24.4	1	42.06	6	33.5	10	58.58	20	79.9	28
30	13.21	1 —	32.3	1	37.07	1 —	24.5	2	42.00	2 —	32.5	13	58.38	14	77.1	31
Mai 10	13.20	5	32.4	1	37.06	4	24.7	3	41.98	3	31.2	14	58.24	7	74.0	34
20	13.25	11	32.5	4	37.10	9	25.0	4	42.01	7	29.8	16	58.17	0	70.6	36
30	28 13.36	15	32.9	5	30 37.19	15	25.4	7	31 42.08	13	28.2	19	31 58.17	8	67.0	38
Juni 9	13.51	18	33.4	6	37.34	17	26.1	8	42.21	16	26.3	19	58.25	14	63.2	36
19	13.69	23	34.0	8	37.51	22	26.9	9	42.37	20	24.4	19	58.39	21	59.6	34
29	13.92	25	34.8	9	37.73	24	27.8	9	42.57	22	22.5	18	58.60	26	56.2	32
Juli 9	14.17	28	35.7	9	37.97	27	28.7	11	42.79	25	20.7	19	58.86	32	53.0	29
19	14.45	30	36.6	10	38.24	29	29.8	10	43.04	27	18.8	17	59.18	36	50.1	26
29	14.75	30	37.6	11	38.53	30	30.8	11	43.31	28	17.1	15	59.54	39	47.5	22
Aug. 8	15.05	32	38.7	10	38.83	31	31.9	10	43.59	29	15.6	14	59.93	42	45.3	16
18	15.37	31	39.7	10	39.14	31	32.9	10	43.88	29	14.2	11	60.35	43	43.7	10
28	15.68	31	40.7	8	39.45	30	33.9	8	44.17	29	13.1	7	60.78	43	42.7	4 —
Sept. 7	15.99	30	41.5	9	39.75	30	34.7	7	44.46	28	12.4	5	61.21	42	42.3	2
17	16.29	29	42.4	7	40.05	29	35.4	6	44.74	27	11.9	2 —	61.63	41	42.5	8
27	16.58	27	43.1	6	40.34	27	36.0	5	45.01	26	11.7	2	62.04	38	43.3	15
Okt. 7	16.85	26	43.7	4	40.61	26	36.5	3	45.27	25	11.9	5	62.42	34	44.8	20
17	17.11	23	44.1	4	40.87	24	36.8	2	45.52	22	12.4	7	62.76	29	46.8	24
27	17.34	21	44.5	2	41.11	21	37.0	1 —	45.74	19	13.1	10	63.05	24	49.2	28
Nov. 6	17.55	19	44.7	2	41.32	18	37.1	1	45.93	17	14.1	12	63.29	18	52.0	32
16	17.74	14	44.9	1	41.50	16	37.0	1	46.10	14	15.3	13	63.47	11	55.2	32
26	17.88	12	45.0	1	41.66	12	36.9	1	46.24	11	16.6	13	63.58	4 —	58.4	33
Dez. 6	18.00	7	45.1	0	41.78	8	36.8	2	46.35	6	17.9	13	63.62	2	61.7	32
16	18.07	4 —	45.1	0	41.86	4	36.6	1	46.41	3 —	19.2	13	63.60	9	64.9	30
26	18.11	1	45.1	0	41.90	0	36.5	2	46.44	1	20.5	11	63.51	16	67.9	27
36	18.10		45.1		41.90		36.3		46.43		21.6		63.35		70.6	
Mittl. Ort	14.57		37.0		38.40		29.5		43.28		24.4		60.51		65.2	
	164)				168)				169)				171)			

1908	53 Eridani. $3^m.9$.				Gr. 848. $6^m.2$.				τ Tauri. $4^m.2$.				4 Camelop. $5^m.5$.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	$4^h\ 33^m$		14° 28′		$4^h\ 36^m$		75° 46′		$4^h\ 36^m$		22° 46′		$4^h\ 40^m$		56° 35′	
Jan. 1	58.27	5	69.5	16	28.66	29	34.5	27	43.43	2	49.3	2	20.74	7	43.1	18
11	58.22	8	71.1	13	28.37	44	37.2	23	43.41	7	49.5	1	20.67	15	44.9	17
21	58.14	12	72.4	11	27.93	58	39.5	19	43.34	11	49.6	1	20.52	21	46.6	13
31	58.02	15	73.5	9	27.35	68	41.4	14	43.23	13	49.7	0	20.31	26	47.9	10
Febr. 10	57.87	17	74.4	5	26.67	78	42.8	9	43.10	17	49.7	1	20.05	31	48.9	5
20	57.70	18	74.9	2	25.89	81	43.7	3	42.93	18	49.6	1	19.74	33	49.4	2
März 1	57.52	19	75.1	1	25.08	81	44.0	3	42.75	18	49.5	2	19.41	33	49.6	2
11	57.33	18	75.0	4	24.27	78	43.7	7	42.57	19	49.3	3	19.08	33	49.4	7
21	57.15	16	74.6	7	23.49	72	43.0	13	42.38	16	49.0	3	18.75	29	48.7	10
31	56.99	14	73.9	10	22.77	60	41.7	17	42.22	13	48.7	3	18.46	26	47.7	13
April 10	56.85	11	72.9	13	22.17	50	40.0	21	42.09	10	48.4	3	18.20	19	46.4	15
20	56.74	7	71.6	15	21.67	35	37.9	24	41.99	6	48.1	2	18.01	12	44.9	18
30	56.67	3	70.1	18	21.32	18	35.5	25	41.93	1	47.9	2	17.89	5	43.1	18
Mai 10	56.64	2	68.3	20	21.14	1	33.0	26	41.92	3	47.7	0	17.84	2	41.3	18
20	56.66	6	66.3	21	21.13	15	30.4	26	41.95	9	47.7	1	17.86	10	39.5	18
30	56.72	12	64.2	25	21.28	35	27.8	28	42.04	14	47.8	2	17.96	20	37.7	19
Juni 9	[31] 56.84	15	61.7	23	[1] 21.63	48	25.0	23	[1] 42.18	18	48.0	4	[2] 18.16	26	35.8	15
19	56.99	18	59.4	24	22.11	62	22.7	20	42.36	22	48.4	5	18.42	32	34.3	13
29	57.17	22	57.0	23	22.73	74	20.7	18	42.58	25	48.9	6	18.74	38	33.0	11
Juli 9	57.39	25	54.7	22	23.47	85	18.9	14	42.83	27	49.5	7	19.12	42	31.9	7
19	57.64	27	52.5	20	24.32	93	17.5	11	43.10	30	50.2	8	19.54	46	31.2	5
29	57.91	28	50.5	18	25.25	100	16.4	6	43.40	31	51.0	9	20.00	48	30.7	2
Aug. 8	58.19	29	48.7	15	26.25	104	15.8	2	43.71	32	51.9	8	20.48	50	30.5	1
18	58.48	29	47.2	11	27.29	107	15.6	1	44.03	32	52.7	9	20.98	51	30.6	3
28	58.77	29	46.1	7	28.36	106	15.7	6	44.35	32	53.6	8	21.49	51	30.9	7
Sept. 7	59.06	29	45.4	3	29.42	106	16.3	11	44.67	31	54.4	8	22.00	50	31.6	9
17	59.35	27	45.1	1	30.48	102	17.4	14	44.98	30	55.2	7	22.50	49	32.5	12
27	59.62	26	45.2	5	31.50	98	18.8	17	45.28	29	55.9	6	22.99	46	33.7	14
Okt. 7	59.88	25	45.7	8	32.48	91	20.5	22	45.57	28	56.5	5	23.45	44	35.1	17
17	60.13	22	46.5	13	33.39	83	22.7	24	45.85	25	57.0	4	23.89	40	36.8	18
27	60.35	19	47.8	15	34.22	72	25.1	27	46.10	23	57.4	4	24.29	37	38.6	20
Nov. 6	60.54	17	49.3	17	34.94	59	27.8	29	46.33	20	57.8	4	24.66	31	40.6	21
16	60.71	13	51.0	19	35.53	46	30.7	30	46.53	16	58.2	3	24.97	25	42.7	22
26	60.84	10	52.9	19	35.99	31	33.7	31	46.69	13	58.5	2	25.22	20	44.9	23
Dez. 6	60.94	6	54.8	19	36.30	14	36.8	31	46.82	9	58.7	3	25.42	12	47.2	22
16	61.00	2	56.7	18	36.44	3	39.9	30	46.91	5	59.0	2	25.54	5	49.4	21
26	61.02	2	58.5	17	36.41	20	42.9	27	46.96	1	59.2	2	25.59	3	51.5	20
36	61.00		60.2		36.21		45.6		46.97		59.4		25.56		53.5	
Mittl. Ort	57.97		60.6		26.21		29.9		43.30		51.6		20.10		40.3	
	172)				173)				174)				175)			

1908	9 Camelop. $4^m.3$. AR.		Dekl. +		π^5 Orionis. $3^m.7$. AR.		Dekl. +		ι Aurigae. $2^m.7$. AR.		Dekl. +		10 Camelop. $4^m.1$. AR.		Dekl. +	
	$4^h\ 44^m$		66° 11′		$4^h\ 49^m$		2° 17′		$4^h\ 50^m$		33° 1′		$4^h\ 55^m$		60° 18′	
Jan. 1	54.98	12	18.0	24	27.69	2	20.1	9	60.25	1	15.0	7	14.61	6	33.5	21
11	54.86	22	20.4	20	27.67	6	19.2	8	60.24	7	15.7	7	14.55	15	35.6	19
21	54.64	31	22.4	17	27.61	9	18.4	6	60.17	11	16.4	5	14.40	22	37.5	16
31	54.33	38	24.1	13	27.52	13	17.8	5	60.06	15	16.9	3	14.18	28	39.1	12
Febr. 10	53.95	43	25.4	8	27.39	15	17.3	4	59.91	17	17.2	2	13.90	34	40.3	8
20	53.52	46	26.2	3	27.24	17	16.9	2	59.74	20	17.4	1	13.56	36	41.1	4
März 1	53.06	48	26.5	2	27.07	17	16.7	1	59.54	21	17.5	2	13.20	38	41.5	1
11	52.58	46	26.3	6	26.90	17	16.6	1	59.33	20	17.3	3	12.82	38	41.4	5
21	52.12	43	25.7	11	26.73	16	16.7	2	59.13	19	17.0	5	12.44	34	40.9	8
31	51.69	36	24.6	14	26.57	14	16.9	4	58.94	16	16.5	5	12.10	30	40.1	13
April 10	51.33	29	23.2	18	26.43	10	17.3	6	58.78	13	16.0	7	11.80	24	38.8	15
20	51.04	20	21.4	20	26.33	7	17.9	7	58.65	7	15.3	6	11.56	16	37.3	18
30	50.84	11	19.4	22	26.26	3	18.6	9	58.58	3	14.7	7	11.40	9	35.5	19
Mai 10	50.73	1	17.2	23	26.23	2	19.5	11	58.55	2	14.0	7	11.31	1	33.6	20
20	50.74	10	14.9	22	26.25	5	20.6	13	58.57	8	13.3	5	11.30	9	31.6	19
30	50.84	23	12.7	24	26.30	12	21.9	14	58.65	14	12.8	5	11.39	19	29.7	21
Juni 9	51.07	32	10.3	19	26.42	15	23.3	15	58.79	18	12.3	3	11.58	25	27.6	18
19	51.39	40	8.4	18	26.57	18	24.8	15	58.97	22	12.0	1	11.83	32	25.8	16
29	51.79	47	6.6	15	26.75	22	26.3	16	59.19	27	11.9	0	12.15	39	24.2	13
Juli 9	52.26	54	5.1	12	26.97	24	27.9	16	59.46	29	11.9	2	12.54	44	22.9	11
19	52.80	59	3.9	8	27.21	26	29.5	15	59.75	31	12.1	2	12.98	49	21.8	8
29	53.39	63	3.1	5	27.47	28	31.0	14	60.06	33	12.3	4	13.47	52	21.0	5
Aug. 8	54.02	65	2.6	2	27.75	29	32.4	12	60.39	34	12.7	6	13.99	54	20.5	2
18	54.67	67	2.4	2	28.04	29	33.6	10	60.73	35	13.3	6	14.53	55	20.3	2
28	55.34	68	2.6	5	28.33	29	34.6	8	61.08	35	13.9	6	15.08	57	20.5	4
Sept. 7	56.02	67	3.1	9	28.62	29	35.4	5	61.43	35	14.5	8	15.65	55	20.9	7
17	56.69	65	4.0	12	28.91	28	35.9	2	61.78	33	15.3	7	16.20	55	21.6	10
27	57.34	63	5.2	15	29.19	27	36.1	0	62.11	33	16.0	8	16.75	53	22.6	14
Okt. 7	57.97	58	6.7	19	29.46	25	36.1	3	62.44	31	16.8	8	17.28	50	24.0	15
17	58.55	55	8.6	21	29.71	24	35.8	5	62.75	29	17.6	8	17.78	46	25.5	18
27	59.10	48	10.7	23	29.95	21	35.3	8	63.04	26	18.4	8	18.24	42	27.3	20
Nov. 6	59.58	41	13.0	25	30.16	19	34.5	8	63.30	23	19.2	9	18.66	37	29.3	21
16	59.99	33	15.5	26	30.35	16	33.7	10	63.53	20	20.1	8	19.03	31	31.4	23
26	60.32	25	18.1	27	30.51	13	32.7	11	63.73	16	20.9	9	19.34	23	33.7	24
Dez. 6	60.57	14	20.8	27	30.64	9	31.6	10	63.89	12	21.8	8	19.57	16	36.1	24
16	60.71	4	23.5	26	30.73	5	30.6	10	64.01	6	22.6	8	19.73	7	38.5	23
26	60.75	6	26.1	24	30.78	1	29.6	9	64.07	2	23.4	8	19.80	2	40.8	22
36	60.69		28.5		30.79		28.7		64.09		24.2		19.78		43.0	
Mittl. Ort	53.80		14.5		27.49		25.8		60.03		15.8		13.78		31.0	
			178)				180)				181)				182)	

1908	ε Aurigae. (3ᵐ.2). AR.		Dekl. +		ι Tauri. 4ᵐ.8. AR.		Dekl. +	
	$4^h\ 55^m$		$43°\ 41'$		$4^h\ 57^m$		$21°\ 27'$	
Jan. 1	$22^s.23$	2	$16''.8$	13	$35^s.91$	0	$30''.3$	1
11	22.21	8	18.1	11	35.91	5	30.4	1
21	22.13	13	19.2	10	35.86	9	30.5	1
31	22.00	18	20.2	7	35.77	13	30.6	0
Febr. 10	21.82	21	20.9	5	35.64	16	30.6	0
20	21.61	24	21.4	1	35.48	17	30.6	1
März 1	21.37	24	21.5	1	35.31	19	30.5	1
11	21.13	25	21.4	3	35.12	18	30.4	1
21	20.88	22	21.1	7	34.94	17	30.3	2
31	20.66	19	20.4	8	34.77	15	30.1	2
April 10	20.47	15	19.6	10	34.62	11	29.9	2
20	20.32	10	18.6	12	34.51	8	29.7	1
30	20.22	4	17.4	11	34.43	3	29.6	1
Mai 10	20.18	1	16.3	12	34.40	2	29.5	0
20	20.19	8	15.1	12	34.42	6	29.5	1
30	20.27	15	13.9	12	34.48	13	29.6	2
Juni 9	[5] 20.42	19	12.7	9	[6] 34.61	16	29.8	4
19	20.61	25	11.8	7	34.77	19	30.2	5
29	20.86	29	11.1	6	34.96	24	30.7	6
Juli 9	21.15	32	10.5	4	35.20	26	31.3	6
19	21.47	36	10.1	1	35.46	28	31.9	7
29	21.83	37	10.0	0	35.74	30	32.6	8
Aug. 8	22.20	39	10.0	2	36.04	31	33.4	7
18	22.59	40	10.2	4	36.35	31	34.1	8
28	22.99	39	10.6	6	36.66	31	34.9	6
Sept. 7	23.38	40	11.2	7	36.97	32	35.5	6
17	23.78	39	11.9	8	37.29	31	36.1	6
27	24.17	37	12.7	10	37.60	30	36.7	4
Okt. 7	24.54	36	13.7	11	37.90	28	37.1	3
17	24.90	33	14.8	12	38.18	26	37.4	3
27	25.23	31	16.0	13	38.44	25	37.7	2
Nov. 6	25.54	27	17.3	14	38.69	22	37.9	2
16	25.81	23	18.7	14	38.91	18	38.1	1
26	26.04	18	20.1	15	39.09	15	38.2	1
Dez. 6	26.22	13	21.6	15	39.24	12	38.3	1
16	26.35	8	23.1	14	39.36	7	38.4	1
26	26.43	1	24.5	14	39.43	2	38.5	2
36	26.44		25.9		39.45		38.7	
Mittl. Ort	21.88		16.2		35.73		32.9	
	183)				184)			

1908	η Aurigae. 3ᵐ.3. AR.		Dekl. +		ε Leporis. 3ᵐ.2. AR.		Dekl. −	
	$5^h\ 0^m$		$41°\ 6'$		$5^h\ 1^m$		$22°\ 29'$	
Jan. 1	$3^s.99$	1	$38''.6$	12	$34^s.48$	4	$47''.9$	20
11	3.98	7	39.8	11	34.44	8	49.9	18
21	3.91	12	40.9	9	34.36	12	51.7	15
31	3.79	17	41.8	7	34.24	15	53.2	11
Febr. 10	3.62	20	42.5	4	34.09	17	54.3	8
20	3.42	22	42.9	2	33.92	20	55.1	4
März 1	3.20	23	43.1	1	33.72	21	55.5	0
11	2.97	23	43.0	3	33.51	20	55.5	4
21	2.74	22	42.7	6	33.31	19	55.1	7
31	2.52	19	42.1	7	33.12	17	54.4	10
April 10	2.33	14	41.4	10	32.95	14	53.4	14
20	2.19	10	40.4	10	32.81	10	52.0	17
30	2.09	4	39.4	10	32.71	7	50.3	20
Mai 10	2.05	1	38.4	11	32.64	2	48.3	23
20	2.06	7	37.3	10	32.62	3	46.0	24
30	2.13	14	36.3	10	[7] 32.65	8	43.6	28
Juni 9	[5] 2.27	18	35.3	8	32.73	12	40.8	26
19	2.45	24	34.5	6	32.85	16	38.2	27
29	2.69	27	33.9	5	33.01	20	35.5	26
Juli 9	2.96	31	33.4	3	33.21	22	32.9	24
19	3.27	34	33.1	1	33.43	26	30.5	23
29	3.61	36	33.0	1	33.69	27	28.2	20
Aug. 8	3.97	37	33.1	2	33.96	28	26.2	16
18	4.34	38	33.3	4	34.24	30	24.6	13
28	4.72	38	33.7	5	34.54	30	23.3	8
Sept. 7	5.10	39	34.2	7	34.84	30	22.5	3
17	5.49	37	34.9	7	35.14	29	22.2	1
27	5.86	36	35.6	9	35.43	28	22.3	7
Okt. 7	6.22	35	36.5	9	35.71	26	23.0	10
17	6.57	33	37.4	11	35.97	25	24.0	15
27	6.90	30	38.5	11	36.22	22	25.5	19
Nov. 6	7.20	27	39.6	13	36.44	19	27.4	21
16	7.47	23	40.9	12	36.63	15	29.5	22
26	7.70	18	42.1	13	36.78	12	31.7	24
Dez. 6	7.88	13	43.4	13	36.90	8	34.1	24
16	8.01	8	44.7	13	36.98	4	36.5	23
26	8.09	3	46.0	13	37.02	1	38.8	21
36	8.12		47.3		37.01		40.9	
Mittl. Ort	3.67		38.5		33.98		39.1	
	185)				186)			

1908	β Eridani. 2m.7.				μ Aurigae. 5m.1.				19 H. Camelop. 5m.1.				α Aurigae. 1m.			
	AR.	Δ	Dekl. −	Δ	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. +	Δ
	5h 3m		5° 12′		5h 7m		38° 22′		5h 7m		79° 7′		5h 9m		45° 54′	
Jan. 1	19.87		24.1		8.15		33.7		26.26		40.7		53.87		18.9	
11	19.86	1	25.4	13	8.16	1	34.7	10	26.01	25	43.6	29	53.86	1	20.3	14
21	19.81	5	26.5	11	8.10	—6	35.7	10	25.54	47	46.3	27	53.80	6	21.6	13
31	19.72	9	27.5	10	8.00	10	36.5	8	24.87	67	48.6	23	53.67	13	22.8	12
Febr. 10	19.59	13	28.2	7	7.85	15	37.1	6	24.04	83	50.4	18	53.50	17	23.7	9
20	19.44	15	28.7	5	7.66	19	37.6	5	23.08	96	51.8	14	53.29	21	24.3	6
März 1	19.27	17	29.0	3	7.45	21	37.8	2	22.04	104	52.5	7	53.04	25	24.7	4
11	19.09	18	29.1	1	7.22	23	37.7	—1	20.97	107	52.7	2	52.79	25	24.7	0
21	18.91	18	29.0	—1	7.00	22	37.5	2	19.90	107	52.4	—3	52.53	26	24.4	3
31	18.74	17	28.6	4	6.79	21	37.0	5	18.90	100	51.4	10	52.29	24	23.8	6
April 10	18.60	14	28.0	6	6.61	18	36.4	6	17.99	91	50.0	14	52.08	21	23.0	8
20	18.48	12	27.2	8	6.47	14	35.6	8	17.23	76	48.2	18	51.91	17	22.0	10
30	18.39	9	26.1	11	6.37	10	34.8	8	16.64	59	46.0	22	51.79	12	20.9	11
Mai 10	18.35	4	24.9	12	6.32	5	33.8	10	16.24	40	43.5	25	51.73	6	19.6	13
20	18.35	0	23.5	14	6.32	0	32.9	9	16.05	19	40.9	26	51.72	1	18.3	13
30	18.39	4	21.9	16	6.38	6	32.1	8	16.08	—3	38.2	27	51.78	—6	17.0	13
Juni 9	[7] 18.48	9	20.0	19	[8] 6.51	13	31.3	8	[8] 16.36	28	35.5	27	[9] 51.90	12	15.8	12
19	18.61	13	18.2	18	6.68	17	30.6	7	16.82	46	32.6	29	52.10	20	14.6	12
29	18.78	17	16.3	19	6.90	22	30.0	6	17.49	67	30.2	24	52.34	24	13.6	10
Juli 9	18.98	20	14.4	19	7.16	26	29.6	4	18.32	83	28.1	21	52.62	28	12.8	8
19	19.21	23	12.6	18	7.45	29	29.4	2	19.29	97	26.2	19	52.94	32	12.2	6
29	19.46	25	10.8	18	7.78	33	29.4	0	20.39	110	24.6	16	53.30	36	11.8	4
Aug. 8	19.73	27	9.3	15	8.12	34	29.4	0	21.61	122	23.5	11	53.67	37	11.6	2
18	20.00	27	7.9	14	8.48	36	29.7	3	22.91	130	22.7	8	54.07	40	11.5	1
28	20.29	29	6.9	10	8.84	36	30.0	3	24.26	135	22.4	3	54.48	41	11.7	—2
Sept. 7	20.58	29	6.1	8	9.21	37	30.5	5	25.65	139	22.5	—1	54.89	41	12.1	4
17	20.86	28	5.6	5	9.58	37	31.0	5	27.04	139	23.0	5	55.30	41	12.6	5
27	21.14	28	5.5	1	9.95	37	31.7	7	28.42	138	24.0	10	55.71	41	13.3	7
Okt. 7	21.42	28	5.8	—3	10.30	35	32.4	7	29.76	134	25.3	13	56.11	40	14.2	9
17	21.68	26	6.3	5	10.64	34	33.3	9	31.02	126	27.1	18	56.49	38	15.2	10
27	21.92	24	7.2	9	10.96	32	34.2	9	32.19	117	29.2	21	56.85	36	16.3	11
Nov. 6	22.14	22	8.3	11	11.26	30	35.1	9	33.24	105	31.6	24	57.18	33	17.5	12
16	22.34	20	9.6	13	11.53	27	36.1	10	34.14	90	34.4	28	57.48	30	18.9	14
26	22.51	17	11.0	14	11.76	23	37.2	11	34.86	72	37.3	29	57.74	26	20.4	15
Dez. 6	22.64	13	12.6	16	11.94	18	38.3	11	35.39	53	40.4	31	57.94	20	21.9	15
16	22.74	10	14.1	15	12.08	14	39.4	11	35.71	32	43.6	32	58.10	16	23.5	16
26	22.79	5	15.5	14	12.17	9	40.6	12	35.81	10	46.7	31	58.20	10	25.0	15
36	22.81	2	16.9	14	12.20	3	41.7	11	35.66	—15	49.8	31	58.23	3	26.5	15
Mittl. Ort	19.59		17.7		7.86		34.1		22.58		37.5		53.45		18.5	
			188)				192)				191)				193)	

1908	β Orionis. 1^m.				ϑ Doradus. 4^m.8.				γ Orionis. 1^m.7.				β Tauri. 1^m.8.			
	AR.		Dekl. −		AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +	
	$5^h 10^m$		8° 18′		$5^h 13^m$		67° 16′		$5^h 20^m$		6° 15′		$5^h 20^m$		28° 31′	
Jan. 1	7.28	0	33.4	15	52.76	28	91.0	29	12.01	2	56.0	8	28.77	2	47.5	5
11	7.28	6	34.9	13	52.48	36	93.9	26	12.03	−4	55.2	6	28.79	−3	48.0	5
21	7.22	9	36.2	11	52.12	44	96.5	21	11.99	8	54.6	6	28.76	8	48.5	4
31	7.13	12	37.3	8	51.68	51	98.6	16	11.91	11	54.0	4	28.68	13	48.9	3
Febr. 10	7.01	15	38.1	6	51.17	56	100.2	11	11.80	14	53.6	3	28.55	15	49.2	3
20	6.86	18	38.7	4	50.61	59	101.3	5	11.66	16	53.3	2	28.40	19	49.5	1
März 1	6.68	18	39.1	1	50.02	60	101.8	0	11.50	18	53.1	1	28.21	19	49.6	1
11	6.50	18	39.2	−2	49.42	61	101.8	6	11.32	17	53.0	0	28.02	20	49.7	−1
21	6.32	17	39.0	4	48.81	58	101.2	11	11.15	17	53.0	2	27.82	19	49.6	2
31	6.15	16	38.6	7	48.23	54	100.1	16	10.98	15	53.2	2	27.63	17	49.4	4
April 10	5.99	12	37.9	9	47.69	49	98.5	21	10.83	12	53.4	4	27.46	13	49.0	3
20	5.87	10	37.0	11	47.20	42	96.4	25	10.71	9	53.8	6	27.33	10	48.7	4
30	5.77	5	35.9	14	46.78	34	93.9	28	10.62	5	54.4	7	27.23	5	48.3	4
Mai 10	5.72	1	34.5	15	46.44	26	91.1	31	10.57	1	55.1	7	27.18	0	47.9	4
20	5.71	−4	33.0	18	46.18	16	88.0	34	10.56	−3	55.8	10	27.18	4	47.5	4
30	5.75	7	31.2	18	46.02	6	84.6	35	10.59	8	56.8	10	27.22	9	47.1	2
Juni 9	5.82	13	29.4	22	45.96	−4	81.1	39	10.67	14	57.8	13	27.31	16	46.9	2
19	[9] 5.95	16	27.2	20	[10] 46.00	14	77.2	36	[11] 10.81	16	59.1	12	[11] 27.47	19	46.7	0
29	6.11	20	25.2	20	46.14	24	73.6	34	10.97	19	60.3	13	27.66	22	46.7	1
Juli 9	6.31	22	23.2	20	46.38	33	70.2	31	11.16	23	61.6	13	27.88	26	46.8	1
19	6.53	24	21.2	18	46.71	40	67.1	29	11.39	24	62.9	12	28.14	28	46.9	3
29	6.77	27	19.4	17	47.11	47	64.2	25	11.63	27	64.1	12	28.42	30	47.2	3
Aug. 8	7.04	27	17.7	14	47.58	52	61.7	20	11.90	28	65.3	10	28.72	32	47.5	4
18	7.31	29	16.3	11	48.10	57	59.7	14	12.18	28	66.3	9	29.04	33	47.9	4
28	7.60	29	15.2	8	48.67	59	58.3	8	12.46	30	67.2	7	29.37	33	48.3	5
Sept. 7	7.89	29	14.4	4	49.26	60	57.5	2	12.76	29	67.9	4	29.70	34	48.8	4
17	8.18	28	14.0	1	49.86	59	57.3	−5	13.05	29	68.3	2	30.04	33	49.2	4
27	8.46	27	13.9	−3	50.45	57	57.8	11	13.34	28	68.5	0	30.37	32	49.6	4
Okt. 7	8.73	26	14.2	7	51.02	52	58.9	17	13.62	28	68.5	2	30.69	31	50.0	4
17	8.99	25	14.9	10	51.54	47	60.6	23	13.90	26	68.3	5	31.00	30	50.4	4
27	9.24	23	15.9	12	52.01	39	62.9	27	14.16	24	67.8	6	31.30	28	50.8	4
Nov. 6	9.47	20	17.1	15	52.40	30	65.6	31	14.40	22	67.2	8	31.58	25	51.2	4
16	9.67	17	18.6	16	52.70	21	68.7	33	14.62	19	66.4	8	31.83	23	51.6	5
26	9.84	14	20.2	17	52.91	10	72.0	34	14.81	16	65.6	9	32.06	19	52.1	4
Dez. 6	9.98	10	21.9	17	53.01	0	75.4	35	14.97	12	64.7	9	32.25	14	52.5	5
16	10.08	6	23.6	17	53.01	11	78.9	34	15.09	8	63.8	9	32.39	10	53.0	5
26	10.14	2	25.3	15	52.90	22	82.3	31	15.17	4	62.9	8	32.49	4	53.5	5
36	10.16		26.8		52.68		85.4		15.21		62.1		32.53		54.0	
Mittl. Ort	6.95		26.8		49.53		79.7		11.76		60.5		28.52		49.3	
		194)				196)				201)				202)		

1908	17 Camelop. 5ᵐ.9.				δ Orionis. 2ᵐ.2.				Gr. 966. 6ᵐ.6.				α Leporis. 2ᵐ.6.			
	AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. −	
	5ʰ 21ᵐ		62° 59′		5ʰ 27ᵐ		0° 21′		5ʰ 27ᵐ		74° 58′		5ʰ 28ᵐ		17° 53′	
Jan. 1	29ˢ.71	3	30″.0	23	18ˢ.65	1	65″.4	12	27ˢ.49	9	65″.0	29	40ˢ.82	0	22″.7	19
11	29.68	12	32.3	22	18.66	3	66.6	10	27.40	25	67.9	26	40.82	5	24.6	18
21	29.56	21	34.5	19	18.63	7	67.6	8	27.15	41	70.5	24	40.77	10	26.4	15
31	29.35	28	36.4	15	18.56	11	68.4	7	26.74	53	72.9	19	40.67	12	27.9	12
Febr. 10	29.07	34	37.9	12	18.45	14	69.1	5	26.21	65	74.8	15	40.55	16	29.1	9
20	28.73	39	39.1	7	18.31	16	69.6	3	25.56	72	76.3	10	40.39	18	30.0	5
März 1	28.34	42	39.8	2	18.15	18	69.9	1	24.84	76	77.3	4	40.21	20	30.5	2
11	27.92	41	40.0	1	17.97	18	70.0	1	24.08	76	77.7	1	40.01	20	30.7	1
21	27.51	40	39.9	7	17.79	17	69.9	2	23.32	74	77.6	7	39.81	19	30.6	5
31	27.11	36	39.2	10	17.62	16	69.7	4	22.58	67	76.9	11	39.62	17	30.1	8
April 10	26.75	29	38.2	14	17.46	13	69.3	6	21.91	58	75.8	15	39.45	15	29.3	11
20	26.46	23	36.8	16	17.33	9	68.7	8	21.33	46	74.3	20	39.30	12	28.2	14
30	26.23	15	35.2	19	17.24	6	67.9	10	20.87	33	72.3	22	39.18	7	26.8	17
Mai 10	26.08	6	33.3	20	17.18	2	66.9	11	20.54	18	70.1	25	39.11	4	25.1	19
20	26.02	3	31.3	21	17.16	3	65.8	13	20.36	2	67.6	25	39.07	0	23.2	21
30	26.05	12	29.2	21	17.19	6	64.5	14	20.34	13	65.1	26	39.07	6	21.1	22
Juni 9	26.17	24	27.1	22	17.25	12	63.1	17	20.47	32	62.5	28	39.13	10	18.9	26
19	[12] 26.41	30	24.9	19	[13] 17.37	15	61.4	15	[13] 20.79	44	59.7	24	[13] 39.23	13	16.3	25
29	26.71	37	23.0	17	17.52	19	59.9	16	21.23	58	57.3	22	39.36	18	13.8	24
Juli 9	27.08	44	21.3	14	17.71	21	58.3	16	21.81	69	55.1	19	39.54	20	11.4	23
19	27.52	49	19.9	12	17.92	24	56.7	15	22.50	78	53.2	17	39.74	23	9.1	21
29	28.01	54	18.7	9	18.16	26	55.2	13	23.28	88	51.5	13	39.97	25	7.0	20
Aug. 8	28.55	57	17.8	6	18.42	26	53.9	12	24.16	94	50.2	9	40.22	27	5.0	16
18	29.12	59	17.2	3	18.68	29	52.7	10	25.10	98	49.3	6	40.49	29	3.4	13
28	29.71	61	16.9	0	18.97	28	51.7	7	26.08	103	48.7	2	40.78	29	2.1	8
Sept. 7	30.32	61	16.9	4	19.25	29	51.0	5	27.11	104	48.5	2	41.07	29	1.3	5
17	30.93	61	17.3	6	19.54	29	50.5	1	28.15	104	48.7	6	41.36	29	0.8	0
27	31.54	60	17.9	10	19.83	28	50.4	1	29.19	101	49.3	9	41.65	29	0.8	4
Okt. 7	32.14	57	18.9	13	20.11	27	50.5	5	30.20	98	50.2	14	41.94	27	1.2	9
17	32.71	54	20.2	15	20.38	26	51.0	7	31.18	91	51.6	18	42.21	26	2.1	13
27	33.25	50	21.7	18	20.64	24	51.7	9	32.09	84	53.4	21	42.47	24	3.4	16
Nov. 6	33.75	44	23.5	20	20.88	22	52.6	12	32.93	75	55.5	24	42.71	22	5.0	20
16	34.19	38	25.5	22	21.10	20	53.8	12	33.68	62	57.9	26	42.93	18	7.0	21
26	34.57	31	27.7	24	21.30	16	55.0	13	34.30	49	60.5	29	43.11	15	9.1	22
Dez. 6	34.88	22	30.1	25	21.46	12	56.3	13	34.79	34	63.4	29	43.26	11	11.3	23
16	35.10	13	32.6	24	21.58	8	57.6	13	35.13	17	66.3	30	43.37	7	13.6	21
26	35.23	3	35.0	24	21.66	4	58.9	12	35.30	2	69.3	30	43.44	2	15.7	21
36	35.26		37.4		21.70		60.1		35.32		72.3		43.46		17.8	
Mittl. Ort	28.65		28.5		18.35		60.3		24.97		63.1		40.33		15.8	
	203)				206)				205)				207)			

1908	ι Orionis. 2m.8. AR.		Dekl. −		ε Orionis. 1m.6. AR.		Dekl. −		ζ Tauri. 3m.0. AR.		Dekl. +		β Doradus. 3m.7. AR.		Dekl. −	
	5h 30m		5° 57′		5h 31m		1° 15′		5h 32m		21° 5′		5h 32m		62° 32′	
Jan. 1	56.30	1	77.0	15	32.99	2	41.8	12	8.99	3	10.4	1	52.15	17	68.6	32
11	56.31	3	78.5	12	33.01	3	43.0	11	9.02	2	10.5	1	51.98	25	71.8	28
21	56.28	7	79.7	11	32.98	7	44.1	8	9.00	7	10.6	1	51.73	33	74.6	23
31	56.21	12	80.8	9	32.91	11	44.9	8	8.93	10	10.7	1	51.40	39	76.9	19
Febr. 10	56.09	14	81.7	6	32.80	14	45.7	5	8.83	14	10.8	1	51.01	44	78.8	14
20	55.95	17	82.3	4	32.66	16	46.2	3	8.69	17	10.9	1	50.57	48	80.2	8
März 1	55.78	17	82.7	2	32.50	17	46.5	1	8.52	19	11.0	0	50.09	50	81.0	3
11	55.61	19	82.9	1	32.33	18	46.6	0	8.33	18	11.0	0	49.59	50	81.3	3
21	55.42	17	82.8	3	32.15	18	46.6	2	8.15	18	11.0	1	49.09	49	81.0	8
31	55.25	16	82.5	6	31.97	16	46.4	5	7.97	17	10.9	1	48.60	46	80.2	13
April 10	55.09	14	81.9	7	31.81	13	45.9	6	7.80	13	10.8	1	48.14	41	78.9	18
20	54.95	10	81.2	10	31.68	10	45.3	8	7.67	10	10.7	0	47.73	37	77.1	23
30	54.85	7	80.2	12	31.58	6	44.5	10	7.57	6	10.7	0	47.36	30	74.8	26
Mai 10	54.78	2	79.0	14	31.52	2	43.5	12	7.51	1	10.7	0	47.06	23	72.2	29
20	54.76	1	77.6	15	31.50	2	42.3	13	7.50	3	10.7	1	46.83	15	69.3	32
30	54.77	6	76.1	17	31.52	6	41.0	14	7.53	8	10.8	2	46.68	7	66.1	35
Juni 9	54.83	12	74.4	20	31.58	12	39.6	17	7.61	13	11.0	2	46.61	2	62.6	38
19	54.95	14	72.4	18	31.70	14	37.9	16	7.74	17	11.2	4	46.63	10	58.8	36
29	55.09	18	70.6	19	31.84	18	36.3	17	7.91	20	11.6	4	46.73	18	55.2	34
Juli 9	55.27	20	68.7	18	32.02	21	34.6	16	8.11	23	12.0	5	46.91	25	51.8	32
19	55.47	23	66.9	17	32.23	23	33.0	15	8.34	26	12.5	5	47.16	32	48.6	30
29	55.70	25	65.2	16	32.46	26	31.5	14	8.60	28	13.0	6	47.48	39	45.6	26
Aug. 8	55.95	27	63.6	13	32.72	26	30.1	12	8.88	30	13.6	5	47.87	43	43.0	22
18	56.22	28	62.3	11	32.98	28	28.9	10	9.18	30	14.1	5	48.30	48	40.8	16
28	56.50	28	61.2	8	33.26	29	27.9	7	9.48	31	14.6	5	48.78	49	39.2	11
Sept. 7	56.78	29	60.4	4	33.55	29	27.2	4	9.79	32	15.1	3	49.27	49	38.1	4
17	57.07	29	60.0	1	33.84	29	26.8	2	10.11	31	15.4	3	49.76	52	37.7	2
27	57.36	28	59.9	2	34.13	28	26.6	2	10.42	31	15.7	2	50.28	51	37.9	9
Okt. 7	57.64	27	60.1	6	34.41	27	26.8	5	10.73	30	15.9	1	50.79	47	38.8	15
17	57.91	26	60.7	9	34.68	26	27.3	8	11.03	29	16.0	0	51.26	43	40.3	20
27	58.17	24	61.6	12	34.94	25	28.1	10	11.32	27	16.0	0	51.69	37	42.3	26
Nov. 6	58.41	22	62.8	14	35.19	22	29.1	11	11.59	25	16.0	1	52.06	31	44.9	30
16	58.63	20	64.2	15	35.41	20	30.2	13	11.84	22	15.9	0	52.37	23	47.9	32
26	58.83	16	65.7	17	35.61	16	31.5	14	12.06	19	15.9	1	52.60	14	51.1	34
Dez. 6	58.99	12	67.4	16	35.77	13	32.9	14	12.25	15	15.8	0	52.74	6	54.6	35
16	59.11	8	69.0	16	35.90	8	34.3	13	12.40	10	15.8	0	52.80	3	58.1	34
26	59.19	3	70.6	15	35.98	5	35.6	13	12.50	6	15.8	1	52.77	13	61.5	33
36	59.22		72.1		36.03		36.9		12.56		15.9		52.64		64.8	
Mittl. Ort	55.95		71.5		32.68		36.7		8.75		13.2		49.53		59.5	
	209)				210)				211)				212)			

1908	α Columbae. $2^m.4$. AR.		Dekl. −		o Aurigae. $5^m.7$. AR.		Dekl. +		ζ Leporis. $3^m.5$. AR.		Dekl. −		κ Orionis. $2^m.1$. AR.		Dekl. −	
	$5^h\ 36^m$		34° 7′		$5^h\ 38^m$		49° 47′		$5^h\ 42^m$		14° 51′		$5^h\ 43^m$		9° 41′	
Jan. 1	19.87	2	29.8	26	46.88	4	12.0	17	47.66	1	26.7	19	23.99	2	72.1	17
11	19.85	8	32.4	24	46.92	− 4	13.7	17	47.67	− 3	28.6	17	24.01	− 3	73.8	14
21	19.77	13	34.8	20	46.88	11	15.4	14	47.64	8	30.3	15	23.98	7	75.2	13
31	19.64	17	36.8	16	46.77	16	16.8	13	47.56	11	31.8	12	23.91	11	76.5	10
Febr. 10	19.47	20	38.4	12	46.61	21	18.1	10	47.45	15	33.0	9	23.80	14	77.5	8
20	19.27	22	39.6	8	46.40	25	19.1	7	47.30	17	33.9	5	23.66	17	78.3	5
März 1	19.05	24	40.4	4	46.15	28	19.8	3	47.13	19	34.4	3	23.49	18	78.8	2
11	18.81	24	40.8	− 1	45.87	28	20.1	0	46.94	19	34.7	− 1	23.31	18	79.0	0
21	18.57	24	40.7	6	45.59	27	20.1	3	46.75	19	34.6	3	23.13	18	79.0	3
31	18.33	22	40.1	11	45.32	25	19.8	6	46.56	17	34.3	6	22.95	17	78.7	6
April 10	18.11	20	39.0	14	45.07	21	19.2	9	46.39	16	33.7	10	22.78	15	78.1	8
20	17.91	16	37.6	18	44.86	16	18.3	11	46.23	12	32.7	12	22.63	11	77.3	10
30	17.75	12	35.8	21	44.70	11	17.2	13	46.11	8	31.5	15	22.52	8	76.3	13
Mai 10	17.63	7	33.7	24	44.59	4	15.9	14	46.03	5	30.0	18	22.44	4	75.0	15
20	17.56	3	31.3	27	44.55	− 2	14.5	15	45.98	0	28.2	19	22.40	0	73.5	18
30	17.53	− 2	28.6	29	44.57	8	13.0	15	45.98	4	26.3	20	22.40	5	71.7	17
Juni 9	17.55	7	25.7	32	44.65	17	11.5	15	46.02	9	24.3	24	22.45	9	70.0	21
19	[15] 17.62	12	22.5	30	[16] 44.82	21	10.0	13	[17] 46.11	13	21.9	23	[17] 22.54	13	67.9	21
29	17.74	16	19.5	30	45.03	26	8.7	12	46.24	16	19.6	22	22.67	17	65.8	20
Juli 9	17.90	20	16.5	28	45.29	31	7.5	10	46.40	19	17.4	22	22.84	19	63.8	20
19	18.10	23	13.7	26	45.60	35	6.5	8	46.59	22	15.2	21	23.03	22	61.8	18
29	18.33	26	11.1	24	45.95	38	5.7	7	46.81	25	13.1	18	23.25	24	60.0	17
Aug. 8	18.59	29	8.7	20	46.33	41	5.0	4	47.06	26	11.3	16	23.49	26	58.3	14
18	18.88	31	6.7	15	46.74	43	4.6	3	47.32	27	9.7	12	23.75	27	56.9	12
28	19.19	31	5.2	10	47.17	43	4.3	0	47.59	29	8.5	9	24.02	29	55.7	8
Sept. 7	19.50	32	4.2	5	47.60	45	4.3	2	47.88	29	7.6	5	24.31	29	54.9	5
17	19.82	32	3.7	0	48.05	44	4.5	3	48.17	29	7.1	0	24.60	28	54.4	0
27	20.14	31	3.7	6	48.49	44	4.8	6	48.46	28	7.1	3	24.88	29	54.4	3
Okt. 7	20.45	30	4.3	12	48.93	43	5.4	7	48.74	28	7.4	8	25.17	28	54.7	7
17	20.75	29	5.5	17	49.36	41	6.1	9	49.02	27	8.2	12	25.45	26	55.4	10
27	21.04	26	7.2	21	49.77	38	7.0	12	49.29	25	9.4	15	25.71	25	56.4	13
Nov. 6	21.30	23	9.3	25	50.15	36	8.2	13	49.54	22	10.9	18	25.96	23	57.7	16
16	21.53	19	11.8	27	50.51	31	9.5	15	49.76	20	12.7	20	26.19	20	59.3	18
26	21.72	15	14.5	29	50.82	26	11.0	16	49.96	17	14.7	21	26.39	17	61.1	18
Dez. 6	21.87	11	17.4	30	51.08	20	12.6	16	50.13	13	16.8	21	26.56	13	62.9	19
16	21.98	5	20.4	28	51.28	15	14.2	18	50.26	8	18.9	21	26.69	9	64.8	18
26	22.03	0	23.2	28	51.43	7	16.0	17	50.34	3	21.0	20	26.78	5	66.6	18
36	22.03		26.0		51.50		17.7		50.37		23.0		26.83		68.4	
Mittl. Ort	19.00		22.2		46.34		12.3		47.19		20.8		23.57		66.7	
	215)				216)				219)				220)			

1908	α Orionis. 1ᵐ. AR.		Dekl. +		δ Aurigae. 3ᵐ.8. AR.		Dekl. +		β Aurigae. 1ᵐ.9. AR.		Dekl. +		ϑ Aurigae. 2ᵐ.7. AR.		Dekl. +	
	$5^h 50^m$		7° 23′		$5^h 51^m$		54° 16′		$5^h 52^m$		44° 56′		$5^h 53^m$		37° 12′	
Jan. 1	11.73	4	21.8	7	57.80	5	41.9	19	47.28	5	18.4	15	27.21	6	22.8	10
11	11.77	1	21.1	7	57.85	3	43.8	19	47.33	1	19.9	14	27.27	1	23.8	10
21	11.76	5	20.4	5	57.82	10	45.7	18	47.32	8	21.3	13	27.26	6	24.8	9
31	11.71	9	19.9	4	57.72	17	47.5	15	47.24	13	22.6	12	27.20	11	25.7	9
Febr. 10	11.62	13	19.5	3	57.55	23	49.0	12	47.11	18	23.8	9	27.09	15	26.6	7
20	11.49	15	19.2	2	57.32	28	50.2	9	46.93	21	24.7	7	26.94	19	27.3	5
März 1	11.34	18	19.0	1	57.04	30	51.1	5	46.72	25	25.4	5	26.75	22	27.8	3
11	11.16	17	18.9	1	56.74	31	51.6	1	46.47	25	25.9	1	26.53	22	28.1	1
21	10.99	18	19.0	1	56.43	31	51.7	2	46.22	24	26.0	2	26.31	21	28.2	0
31	10.81	16	19.1	3	56.12	29	51.5	5	45.98	23	25.8	4	26.10	20	28.2	3
April 10	10.65	14	19.4	3	55.83	24	51.0	9	45.75	20	25.4	6	25.90	17	27.9	5
20	10.51	11	19.7	5	55.59	20	50.1	12	45.55	16	24.8	9	25.73	14	27.4	6
30	10.40	7	20.2	6	55.39	14	48.9	14	45.39	11	23.9	10	25.59	9	26.8	7
Mai 10	10.33	3	20.8	7	55.25	8	47.5	16	45.28	5	22.9	11	25.50	4	26.1	7
20	10.30	1	21.5	8	55.17	0	45.9	16	45.23	1	21.8	12	25.46	1	25.4	8
30	10.31	6	22.3	9	55.17	7	44.3	17	45.24	6	20.6	12	25.47	6	24.6	8
Juni 9	10.37	9	23.2	10	55.24	13	42.6	17	45.30	12	19.4	12	25.53	12	23.8	8
19	10.46	15	24.2	11	55.37	23	40.9	17	45.42	20	18.2	12	25.65	18	23.0	7
29	19 10.61	17	25.3	11	19 55.60	27	39.2	15	19 45.62	23	17.0	10	19 25.83	21	22.3	6
Juli 9	10.78	20	26.4	12	55.87	32	37.7	13	45.85	28	16.0	9	26.04	25	21.7	5
19	10.98	23	27.6	11	56.19	36	36.4	12	46.13	31	15.1	7	26.29	28	21.2	4
29	11.21	24	28.7	10	56.55	41	35.2	10	46.44	34	14.4	6	26.57	31	20.8	3
Aug. 8	11.45	27	29.7	9	56.96	43	34.2	7	46.78	36	13.8	5	26.88	33	20.5	2
18	11.72	28	30.6	7	57.39	46	33.5	5	47.14	39	13.3	3	27.21	34	20.3	1
28	12.00	29	31.3	6	57.85	47	33.0	3	47.53	40	13.0	1	27.55	36	20.2	0
Sept. 7	12.29	29	31.9	3	58.32	49	32.7	0	47.93	41	12.9	0	27.91	36	20.2	1
17	12.58	29	32.2	1	58.81	49	32.7	1	48.34	41	12.9	1	28.27	37	20.3	2
27	12.87	30	32.3	1	59.30	49	32.8	4	48.75	40	13.0	4	28.64	37	20.5	2
Okt. 7	13.17	28	32.2	3	59.79	47	33.2	7	49.15	40	13.4	5	29.01	36	20.7	3
17	13.45	28	31.9	5	60.26	46	33.9	9	49.55	39	13.9	6	29.37	35	21.0	4
27	13.73	27	31.4	7	60.72	44	34.8	12	49.94	37	14.5	8	29.72	33	21.4	5
Nov. 6	14.00	24	30.7	8	61.16	40	36.0	13	50.31	34	15.3	10	30.05	31	21.9	6
16	14.24	22	29.9	9	61.56	36	37.3	16	50.65	30	16.3	11	30.36	27	22.5	7
26	14.46	19	29.0	10	61.92	31	38.9	18	50.95	27	17.4	12	30.63	24	23.2	9
Dez. 6	14.65	15	28.0	9	62.23	23	40.7	18	51.22	21	18.6	13	30.87	20	24.1	8
16	14.80	11	27.1	9	62.46	17	42.5	20	51.43	15	19.9	15	31.07	14	24.9	9
26	14.91	7	26.2	8	62.63	10	44.5	21	51.58	9	21.4	14	31.21	9	25.8	10
36	14.98		25.4		62.73		46.6		51.67		22.8		31.30		26.8	
Mittl. Ort	11.44		25.7		57.11		42.4		46.82		19.6		26.86		24.5	
	224)				225)				227)				228)			

1908	η Columbae. $3^m.9$.				ν Orionis. $4^m.4$.				22 H. Camelop. $4^m.6$.				η Geminorum. $3^m.3$.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	$5^h\ 56^m$		42° 48′		$6^h\ 2^m$		14° 46′		$6^h\ 8^m$		69° 20′		$6^h\ 9^m$		22° 31′	
Jan. 1	21.06	3	78.6	30	19.42	6	44.4	3	44.30	7	71.4	27	19.75	7	59.9	1
11	21.03	8	81.6	27	19.48	0	44.1	2	44.37	— 5	74.1	26	19.82	1	60.0	2
21	20.95	14	84.3	24	19.48	4	43.9	2	44.32	18	76.7	25	19.83	— 4	60.2	2
31	20.81	19	86.7	20	19.44	9	43.7	2	44.14	29	79.2	21	19.79	8	60.4	3
Febr. 10	20.62	23	88.7	15	19.35	12	43.5	0	43.85	39	81.3	18	19.71	12	60.7	3
20	20.39	26	90.2	11	19.23	15	43.5	0	43.46	46	83.1	14	19.59	15	61.0	2
März 1	20.13	28	91.3	6	19.08	17	43.5	1	43.00	52	84.5	9	19.44	18	61.2	2
11	19.85	29	91.9	1	18.91	18	43.6	1	42.48	55	85.4	4	19.26	19	61.4	1
21	19.56	28	92.0	— 4	18.73	18	43.7	1	41.93	54	85.8	— 1	19.07	19	61.5	1
31	19.28	27	91.6	9	18.55	16	43.8	1	41.39	51	85.7	6	18.88	17	61.6	1
April 10	19.01	25	90.7	14	18.39	14	43.9	2	40.88	46	85.1	10	18.71	15	61.7	0
20	18.76	21	89.3	18	18.25	12	44.1	2	40.42	40	84.1	14	18.56	13	61.7	1
30	18.55	17	87.5	21	18.13	8	44.3	3	40.02	31	82.7	18	18.43	9	61.6	0
Mai 10	18.38	12	85.4	25	18.05	4	44.6	3	39.71	20	80.9	20	18.34	4	61.6	0
20	18.26	7	82.9	28	18.01	— 1	44.9	4	39.51	9	78.9	23	18.30	0	61.6	0
30	18.19	3	80.1	29	18.02	5	45.3	5	39.42	— 1	76.6	24	18.30	4	61.6	0
Juni 9	18.16	— 3	77.2	32	18.07	9	45.8	5	39.43	13	74.2	23	18.34	9	61.6	1
19	18.19	9	74.0	35	18.16	14	46.3	7	39.56	27	71.9	26	18.43	14	61.7	1
29	[20] 18.28	14	70.5	32	[21] 18.30	17	47.0	6	[23] 39.83	35	69.3	23	[23] 18.57	17	61.8	2
Juli 9	18.42	18	67.3	31	18.47	20	47.6	7	40.18	44	67.0	21	18.74	21	62.0	2
19	18.60	23	64.2	29	18.67	23	48.3	7	40.62	53	64.9	19	18.95	23	62.2	2
29	18.83	26	61.3	26	18.90	25	49.0	6	41.15	60	63.0	16	19.18	26	62.4	3
Aug. 8	19.09	29	58.7	22	19.15	27	49.6	6	41.75	65	61.4	14	19.44	27	62.7	2
18	19.38	31	56.5	17	19.42	29	50.2	5	42.40	70	60.0	11	19.71	29	62.9	2
28	19.69	34	54.8	12	19.71	29	50.7	4	43.10	75	58.9	8	20.00	31	63.1	2
Sept. 7	20.03	35	53.6	7	20.00	30	51.1	2	43.85	77	58.1	4	20.31	32	63.3	1
17	20.38	35	52.9	1	20.30	30	51.3	1	44.62	78	57.7	1	20.63	32	63.4	0
27	20.73	35	52.8	— 6	20.60	31	51.4	— 1	45.40	78	57.6	— 3	20.95	32	63.4	1
Okt. 7	21.08	34	53.4	11	20.91	30	51.3	3	46.18	78	57.9	7	21.27	31	63.3	1
17	21.42	32	54.5	17	21.21	29	51.0	3	46.96	75	58.6	10	21.58	31	63.2	2
27	21.74	29	56.2	22	21.50	28	50.7	5	47.71	70	59.6	14	21.89	30	63.0	2
Nov. 6	22.03	26	58.4	26	21.78	26	50.2	5	48.41	65	61.0	17	22.19	28	62.8	2
16	22.29	22	61.0	29	22.04	23	49.7	5	49.06	58	62.7	21	22.47	26	62.6	2
26	22.51	18	63.9	31	22.27	21	49.2	6	49.64	49	64.8	23	22.73	22	62.4	1
Dez. 6	22.69	12	67.0	33	22.48	17	48.6	6	50.13	39	67.1	25	22.95	19	62.3	1
16	22.81	6	70.3	32	22.65	13	48.0	4	50.52	27	69.6	26	23.14	15	62.2	0
26	22.87	1	73.5	31	22.78	8	47.6	4	50.79	15	72.2	27	23.29	10	62.2	1
36	22.88		76.6		22.86		47.2		50.94		74.9		23.39		62.3	
Mittl. Ort	19.83		72.2		19.15		47.8		42.63		72.0		19.47		62.8	
	229)				232)				234)				236)			

1908	ξ Canis maj. 2ᵐ.9. AR.		Dekl. −		μ Geminorum. 2ᵐ.9. AR.		Dekl. +		ψ¹ Aurigae. 5ᵐ.1. AR.		Dekl. +		β Canis maj. 2ᵐ.0. AR.		Dekl. −	
	6ʰ 16ᵐ		30° 1′		6ʰ 17ᵐ		22° 33′		6ʰ 17ᵐ		49° 19′		6ʰ 18ᵐ		17° 54′	
Jan. 1	47ˢ.68	2	23″.9	27	23ˢ.99	8	38″.3	1	49ˢ.39	9	66″.4	17	39ˢ.44	5	39″.3	22
11	47.70	— 3	26.6	25	24.07	2	38.4	2	49.48	2	68.1	17	39.49	— 1	41.5	20
21	47.67	8	29.1	22	24.09	— 3	38.6	3	49.50	— 5	69.8	16	39.48	5	43.5	18
31	47.59	12	31.3	19	24.06	7	38.9	2	49.45	12	71.4	15	39.43	10	45.3	15
Febr. 10	47.47	16	33.2	15	23.99	12	39.1	3	49.33	18	72.9	13	39.33	13	46.8	12
20	47.31	19	34.7	11	23.87	15	39.4	2	49.15	22	74.2	10	39.20	16	48.0	8
März 1	47.12	22	35.8	7	23.72	17	39.6	3	48.93	26	75.2	7	39.04	19	48.8	5
11	46.90	23	36.5	2	23.55	19	39.9	2	48.67	27	75.9	4	38.85	19	49.3	2
21	46.67	23	36.7	— 2	23.36	19	40.1	1	48.40	27	76.3	1	38.66	20	49.5	— 2
31	46.44	22	36.5	5	23.17	17	40.2	0	48.13	26	76.4	— 2	38.46	19	49.3	4
April 10	46.22	20	36.0	10	23.00	16	40.2	1	47.87	23	76.2	6	38.27	17	48.9	8
20	46.02	17	35.0	14	22.84	13	40.3	— 1	47.64	20	75.6	8	38.10	15	48.1	11
30	45.85	14	33.6	17	22.71	9	40.2	0	47.44	15	74.8	11	37.95	11	47.0	14
Mai 10	45.71	10	31.9	21	22.62	5	40.2	0	47.29	9	73.7	12	37.84	8	45.6	17
20	45.61	6	29.8	23	22.57	1	40.2	0	47.20	2	72.5	13	37.76	3	43.9	19
30	45.55	2	27.5	25	22.56	— 4	40.2	0	47.18	— 3	71.2	15	37.73	0	42.0	21
Juni 9	45.53	— 4	25.0	27	22.60	8	40.2	0	47.21	9	69.7	14	37.73	5	39.9	22
19	45.57	8	22.3	30	22.68	13	40.2	1	47.30	17	68.3	16	37.78	9	37.7	24
29	[25] 45.65	12	19.3	28	[25] 22.81	17	40.3	2	[25] 47.47	22	66.7	13	[25] 37.87	13	35.3	23
Juli 9	45.77	16	16.5	27	22.98	19	40.5	2	47.69	26	65.4	13	38.00	16	33.0	23
19	45.93	19	13.8	26	23.17	23	40.7	2	47.95	30	64.1	12	38.16	19	30.7	22
29	46.12	23	11.2	23	23.40	25	40.9	1	48.25	34	62.9	10	38.35	22	28.5	19
Aug. 8	46.35	25	8.9	21	23.65	27	41.0	2	48.59	38	61.9	9	38.57	24	26.6	17
18	46.60	27	6.8	17	23.92	29	41.2	2	48.97	40	61.0	7	38.81	26	24.9	14
28	46.87	29	5.1	12	24.21	30	41.4	1	49.37	42	60.3	5	39.07	27	23.5	10
Sept. 7	47.16	30	3.9	7	24.51	31	41.5	0	49.79	43	59.8	3	39.34	29	22.5	6
17	47.46	31	3.2	2	24.82	32	41.5	0	50.22	44	59.5	2	39.63	29	21.9	1
27	47.77	31	3.0	— 3	25.14	32	41.5	1	50.66	45	59.3	0	39.92	29	21.8	— 3
Okt. 7	48.08	31	3.3	9	25.46	32	41.4	2	51.11	44	59.3	2	40.21	30	22.1	7
17	48.39	30	4.2	14	25.78	32	41.2	3	51.55	43	59.5	5	40.51	28	22.8	12
27	48.69	29	5.6	19	26.10	31	40.9	2	51.98	42	60.0	7	40.79	27	24.0	16
Nov. 6	48.98	26	7.5	22	26.41	29	40.7	3	52.40	40	60.7	9	41.06	26	25.6	19
16	49.24	23	9.7	25	26.70	26	40.4	2	52.80	35	61.6	11	41.32	23	27.5	21
26	49.47	19	12.2	28	26.96	23	40.2	2	53.15	31	62.7	13	41.55	20	29.6	23
Dez. 6	49.66	15	15.0	29	27.19	20	40.0	1	53.46	26	64.0	15	41.75	16	31.9	24
16	49.81	11	17.9	29	27.39	15	39.9	1	53.72	20	65.5	16	41.91	11	34.3	23
26	49.92	5	20.8	28	27.54	10	39.8	0	53.92	13	67.1	17	42.02	7	36.6	23
36	49.97		23.6		27.64		39.8		54.05		68.8		42.09		38.9	
Mittl. Ort	46.85		19.5		23.71		41.2		48.83		68.3		38.88		35.2	
	240)				241)				242)				243)			

1908	8 Monocerot. $4^m.5$. AR.		Dekl. +		α Argus. 1^m. AR.		Dekl. —		10 Monocerot. $5^m.0$. AR.		Dekl. —		8 Lyncis. $6^m.3$. AR.		Dekl. +	
	$6^h\ 18^m$		$4°\ 38'$		$6^h\ 21^m$		$52°\ 38'$		$6^h\ 23^m$		$4°\ 42'$		$6^h\ 29^m$		$61°\ 33'$	
Jan. 1	53.92	6	20.8	10	56.34	3	46.6	34	25.39	6	21.0	16	18.12	12	44.3	24
11	53.98	2	19.8	8	56.31	9	50.0	31	25.45	2	22.6	13	18.24	2	46.7	23
21	54.00	— 3	19.0	7	56.22	17	53.1	28	25.47	— 3	23.9	12	18.26	— 7	49.0	22
31	53.97	8	18.3	6	56.05	23	55.9	24	25.44	8	25.1	10	18.19	17	51.2	20
Febr. 10	53.89	11	17.7	4	55.83	28	58.3	19	25.36	11	26.1	8	18.02	24	53.2	18
20	53.78	14	17.3	3	55.55	32	60.2	15	25.25	15	26.9	5	17.78	31	55.0	14
März 1	53.64	16	17.0	1	55.23	34	61.7	10	25.10	17	27.4	3	17.47	36	56.4	10
11	53.48	18	16.9	0	54.89	36	62.7	4	24.93	18	27.7	1	17.11	38	57.4	6
21	53.30	18	16.9	2	54.53	36	63.1	— 1	24.75	18	27.8	— 2	16.73	39	58.0	2
31	53.12	17	17.1	2	54.17	35	63.0	6	24.57	17	27.6	3	16.34	38	58.2	— 3
April 10	52.95	15	17.3	4	53.82	33	62.4	10	24.40	15	27.3	6	15.96	35	57.9	7
20	52.80	12	17.7	6	53.49	30	61.4	16	24.25	13	26.7	8	15.61	30	57.2	10
30	52.68	9	18.3	6	53.19	26	59.8	20	24.12	10	25.9	9	15.31	24	56.2	14
Mai 10	52.59	5	18.9	8	52.93	20	57.8	24	24.02	7	25.0	12	15.07	16	54.8	16
20	52.54	2	19.7	9	52.73	15	55.4	28	23.95	2	23.8	13	14.91	8	53.2	18
30	52.52	— 3	20.6	10	52.58	9	52.6	30	23.93	— 1	22.5	14	14.83	0	51.4	20
Juni 9	52.55	7	21.6	11	52.49	3	49.6	32	23.94	5	21.1	16	14.83	8	49.4	21
19	52.62	12	22.7	12	52.46	— 3	46.4	36	23.99	11	19.5	18	14.91	18	47.3	23
29	[25] 52.74	14	23.9	12	[26] 52.49	9	42.8	34	[27] 24.10	13	17.7	16	[28] 15.09	24	45.0	20
Juli 9	52.88	17	25.1	12	52.58	16	39.4	33	24.23	16	16.1	17	15.33	31	43.0	20
19	53.05	20	26.3	11	52.74	21	36.1	31	24.39	19	14.4	16	15.64	37	41.0	18
29	53.25	23	27.4	10	52.95	25	33.0	28	24.58	22	12.8	14	16.01	43	39.2	16
Aug. 8	53.48	24	28.4	9	53.20	30	30.2	25	24.80	24	11.4	12	16.44	48	37.6	14
18	53.72	26	29.3	7	53.50	34	27.7	21	25.04	25	10.2	10	16.92	51	36.2	12
28	53.98	28	30.0	5	53.84	37	25.6	15	25.29	27	9.2	7	17.43	55	35.0	9
Sept. 7	54.26	29	30.5	3	54.21	40	24.1	10	25.56	28	8.5	4	17.98	58	34.1	6
17	54.55	29	30.8	1	54.61	40	23.1	3	25.84	29	8.1	1	18.56	59	33.5	4
27	54.84	30	30.9	— 2	55.01	41	22.8	— 3	26.13	29	8.0	— 2	19.15	59	33.1	0
Okt. 7	55.14	29	30.7	5	55.42	40	23.1	10	26.42	29	8.2	6	19.74	59	33.1	2
17	55.43	28	30.2	7	55.82	39	24.1	16	26.71	28	8.8	10	20.33	58	33.3	6
27	55.71	28	29.5	10	56.21	36	25.7	21	26.99	28	9.8	12	20.91	56	33.9	9
Nov. 6	55.99	26	28.5	10	56.57	32	27.8	26	27.27	26	11.0	14	21.47	53	34.8	12
16	56.25	24	27.5	11	56.89	27	30.4	30	27.53	24	12.4	16	22.00	48	36.0	14
26	56.49	22	26.4	12	57.16	22	33.4	33	27.77	21	14.0	17	22.48	42	37.4	18
Dez. 6	56.71	18	25.2	12	57.38	15	36.7	34	27.98	17	15.7	17	22.90	35	39.2	20
16	56.89	13	24.0	11	57.53	9	40.1	33	28.15	13	17.4	17	23.25	26	41.2	23
26	57.02	9	22.9	11	57.62	1	43.4	32	28.28	8	19.1	16	23.51	18	43.5	22
36	57.11		21.8		57.63		46.6		28.36		20.7		23.69		45.7	
Mittl. Ort	53.59		24.3		54.51		42.5		24.99		17.4		17.10		46.3	
	244)				245)				246)				247)			

1908	23H. Camelop. 5m.6				ξ² Canis maj. 4m.6				51 Aurigae. 6m.1				γ Geminorum. 2m.0			
	AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +	
	6h 30m		79° 39′		6h 31m		22° 53′		6h 32m		39° 28′		6h 32m		16° 28′	
Jan. 1	36.90	17	54.7	31	12.68	5	32.8	24	17.49	10	18.7	11	24.14	9	39.1	3
11	37.07	8	57.8	30	12.73	0	35.2	23	17.59	4	19.8	12	24.23	4	38.8	2
21	36.99	32	60.8	28	12.73	5	37.5	20	17.63	2	21.0	11	24.27	2	38.6	1
31	36.67	55	63.6	26	12.68	9	39.5	18	17.61	8	22.1	11	24.25	6	38.5	0
Febr. 10	36.12	74	66.2	22	12.59	14	41.3	14	17.53	13	23.2	10	24.19	10	38.5	0
20	35.38	90	68.4	18	12.45	17	42.7	10	17.40	17	24.2	8	24.09	14	38.5	1
März 1	34.48	103	70.2	13	12.28	19	43.7	8	17.23	21	25.0	7	23.95	16	38.6	2
11	33.45	110	71.5	7	12.09	20	44.5	3	17.02	22	25.7	4	23.79	18	38.8	1
21	32.35	112	72.2	2	11.89	21	44.8	1	16.80	23	26.1	2	23.61	18	38.9	2
31	31.23	108	72.4	4	11.68	20	44.7	4	16.57	21	26.3	0	23.43	17	39.1	2
April 10	30.15	101	72.0	10	11.48	18	44.3	8	16.36	20	26.3	2	23.26	16	39.3	2
20	29.14	89	71.0	14	11.30	16	43.5	12	16.16	16	26.1	4	23.10	13	39.5	2
30	28.25	74	69.6	19	11.14	13	42.3	15	16.00	13	25.7	7	22.97	10	39.7	2
Mai 10	27.51	57	67.7	22	11.01	10	40.8	17	15.87	8	25.0	7	22.87	6	39.9	2
20	26.94	37	65.5	25	10.91	5	39.1	19	15.79	3	24.3	8	22.81	2	40.1	3
30	26.57	16	63.0	27	10.86	1	37.2	22	15.76	2	23.5	9	22.79	2	40.4	4
Juni 9	26.41	6	60.3	27	10.85	2	35.0	24	15.78	7	22.6	10	22.81	7	40.8	4
19	26.47	32	57.6	31	10.87	7	32.6	28	15.85	12	21.6	9	22.88	10	41.2	4
29	[28] 26.79	48	54.5	28	[28] 10.94	11	29.8	24	15.97	19	20.7	10	22.98	16	41.6	5
Juli 9	27.27	67	51.7	27	11.05	15	27.4	24	[29] 16.16	21	19.7	8	[29] 23.14	17	42.1	4
19	27.94	86	49.0	25	11.20	18	25.0	23	16.37	25	18.9	8	23.31	20	42.5	5
29	28.80	102	46.5	22	11.38	21	22.7	22	16.62	28	18.1	7	23.51	23	43.0	4
Aug. 8	29.82	116	44.3	19	11.59	23	20.5	18	16.90	31	17.4	7	23.74	25	43.4	3
18	30.98	126	42.4	16	11.82	26	18.7	16	17.21	34	16.7	5	23.99	27	43.7	3
28	32.24	136	40.8	12	12.08	27	17.1	11	17.55	35	16.2	5	24.26	28	44.0	1
Sept. 7	33.60	145	39.6	9	12.35	29	16.0	7	17.90	36	15.7	4	24.54	30	44.1	1
17	35.05	148	38.7	5	12.64	29	15.3	3	18.26	38	15.3	3	24.84	31	44.2	1
27	36.53	150	38.2	1	12.93	30	15.0	3	18.64	38	15.0	1	25.15	31	44.1	3
Okt. 7	38.03	149	38.3	4	13.23	30	15.3	8	19.02	38	14.9	1	25.46	31	43.8	3
17	39.52	146	38.7	8	13.53	30	16.1	12	19.40	38	14.8	1	25.77	31	43.5	5
27	40.98	138	39.5	13	13.83	29	17.3	16	19.78	37	14.9	2	26.08	30	43.0	6
Nov. 6	42.36	128	40.8	18	14.12	26	18.9	20	20.15	35	15.1	3	26.38	28	42.4	6
16	43.64	115	42.6	21	14.38	24	20.9	23	20.50	33	15.4	5	26.66	26	41.8	6
26	44.79	98	44.7	25	14.62	21	23.2	25	20.83	29	15.9	6	26.92	24	41.2	6
Dez. 6	45.77	78	47.2	27	14.83	17	25.7	26	21.12	24	16.5	8	27.16	20	40.6	6
16	46.55	55	49.9	30	15.00	13	28.3	27	21.36	20	17.3	10	27.36	17	40.0	5
26	47.10	32	52.9	30	15.13	7	31.0	25	21.56	14	18.3	10	27.53	12	39.5	4
36	47.42		55.9		15.20		33.5		21.70		19.3		27.65		39.1	
Mittl. Ort	32.78		56.2		12.02		29.4		17.10		21.3		23.86		42.1	
	248)				249)				250)				251)			

1908	ν Argus. $3^m.1$.				S Monocerot. $(4^m.4)$.				ε Geminorum. $3^m.1$.				ξ Geminorum. $3^m.4$.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	$6^h\ 34^m$		$43°\ 6'$		$6^h\ 35^m$		$9°\ 58'$		$6^h\ 38^m$		$25°\ 13'$		$6^h\ 40^m$		$12°\ 59'$	
Jan. 1	58.05	2	57.0	32	55.02	9	49.8	7	16.66	10	19.2	2	7.88	9	40.1	5
11	58.07	4	60.2	30	55.11	3	49.1	6	16.76	5	19.4	3	7.97	4	39.6	5
21	58.03	10	63.2	28	55.14	1	48.5	5	16.81	1	19.7	4	8.01	1	39.1	3
31	57.93	16	66.0	24	55.13	6	48.0	3	16.80	6	20.1	5	8.00	6	38.8	2
Febr. 10	57.77	20	68.4	19	55.07	10	47.7	2	16.74	11	20.6	4	7.94	10	38.6	0
20	57.57	24	70.3	15	54.97	14	47.5	1	16.63	14	21.0	4	7.84	13	38.6	0
März 1	57.33	27	71.8	10	54.83	16	47.4	0	16.49	17	21.4	4	7.71	15	38.6	0
11	57.06	28	72.8	6	54.67	17	47.4	1	16.32	18	21.8	3	7.56	17	38.6	2
21	56.78	29	73.4	0	54.50	17	47.5	1	16.14	19	22.1	3	7.39	18	38.8	2
31	56.49	28	73.4	4	54.33	17	47.6	3	15.95	19	22.4	1	7.21	17	39.0	2
April 10	56.21	26	73.0	9	54.16	16	47.9	3	15.76	16	22.5	0	7.04	16	39.2	2
20	55.95	24	72.1	14	54.00	13	48.2	4	15.60	14	22.5	0	6.88	13	39.4	3
30	55.71	20	70.7	18	53.87	10	48.6	5	15.46	11	22.5	1	6.75	10	39.7	4
Mai 10	55.51	16	68.9	21	53.77	6	49.1	5	15.35	7	22.4	1	6.65	7	40.1	4
20	55.35	11	66.8	25	53.71	2	49.6	5	15.28	3	22.3	1	6.58	3	40.5	4
30	55.24	7	64.3	27	53.69	1	50.1	7	15.25	2	22.2	2	6.55	2	40.9	5
Juni 9	55.17	2	61.6	30	53.70	6	50.8	8	15.27	6	22.0	1	6.57	5	41.4	6
19	55.15	3	58.6	31	53.76	9	51.6	8	15.33	10	21.9	1	6.62	9	42.0	6
29	55.18	9	55.5	34	53.85	14	52.4	8	15.43	16	21.8	1	6.71	14	42.6	6
Juli 9	[29] 55.27	14	52.1	31	[30] 53.99	17	53.2	8	[30] 15.59	18	21.7	1	[1] 6.85	16	43.2	6
19	55.41	18	49.0	30	54.16	19	54.0	8	15.77	22	21.6	1	7.01	19	43.8	6
29	55.59	22	46.0	27	54.35	22	54.8	8	15.99	24	21.5	0	7.20	22	44.4	6
Aug. 8	55.81	26	43.3	24	54.57	24	55.6	6	16.23	26	21.5	1	7.42	25	45.0	5
18	56.07	29	40.9	20	54.81	26	56.2	5	16.49	28	21.4	1	7.67	26	45.5	3
28	56.36	31	38.9	16	55.07	27	56.7	3	16.77	30	21.3	1	7.93	27	45.8	2
Sept. 7	56.67	33	37.3	10	55.34	29	57.0	1	17.07	31	21.2	2	8.20	29	46.0	0
17	57.00	35	36.3	4	55.63	29	57.1	1	17.38	33	21.0	2	8.49	30	46.0	1
27	57.35	36	35.9	3	55.92	30	57.0	2	17.71	32	20.8	2	8.79	30	45.9	3
Okt. 7	57.71	35	36.2	8	56.22	30	56.8	5	18.03	33	20.6	3	9.09	31	45.6	4
17	58.06	34	37.0	14	56.52	30	56.3	6	18.36	34	20.3	4	9.40	30	45.2	6
27	58.40	33	38.4	20	56.82	29	55.7	8	18.70	32	19.9	3	9.70	30	44.6	7
Nov. 6	58.73	30	40.4	24	57.11	28	54.9	9	19.02	31	19.6	3	10.00	29	43.9	8
16	59.03	27	42.8	28	57.39	26	54.0	10	19.33	28	19.3	2	10.29	26	43.1	9
26	59.30	22	45.6	31	57.65	23	53.0	9	19.61	26	19.1	2	10.55	24	42.2	8
Dez. 6	59.52	17	48.7	32	57.88	20	52.1	10	19.87	22	18.9	1	10.79	21	41.4	8
16	59.69	12	51.9	34	58.08	16	51.1	9	20.09	18	18.8	0	11.00	16	40.6	8
26	59.81	5	55.3	33	58.24	11	50.2	8	20.27	13	18.8	2	11.16	12	39.8	6
36	59.86		58.6		58.35		49.4		20.40		19.0		11.28		39.2	
Mittl. Ort	56.75		54.1		54.72		52.9		16.37		22.2		7.58		43.1	
	252)				253)				254)				256)			

1908	α Canis maj.*) 1ᵐ.				18 Monocerot. 4ᵐ.7.				δ Geminorum. 3ᵐ.4.				α Pictoris. 3ᵐ.2.			
	AR.	Diff.	Dekl. −	Diff.	AR.	Diff.	Dekl. +	Diff.	AR.	Diff.	Dekl. +	Diff.	AR.	Diff.	Dekl. −	Diff.
	$6^h 41^m$		16° 35′		$6^h 43^m$		2° 30′		$6^h 46^m$		34° 4′		$6^h 47^m$		61° 50′	
Jan. 1	6.10 s	7	25.1 ″	23	4.21 s	8	45.0 ″	12	43.93 s	12	19.0 ″	7	17.62 s	2	33.8 ″	36
11	6.17	1	27.4	21	4.29	4	43.8	11	44.05	5	19.7	9	17.60	12	37.4	33
21	6.18	4	29.5	18	4.33	1	42.7	9	44.10	0	20.6	9	17.48	20	40.7	31
31	6.14	8	31.3	16	4.32	6	41.8	7	44.10	6	21.5	8	17.28	28	43.8	28
Febr. 10	6.06	12	32.9	13	4.26	10	41.1	5	44.04	10	22.3	9	17.00	35	46.6	24
20	5.94	16	34.2	9	4.16	13	40.6	4	43.94	15	23.2	7	16.65	40	49.0	18
März 1	5.78	18	35.1	6	4.03	15	40.2	1	43.79	18	23.9	6	16.25	45	50.8	14
11	5.60	19	35.7	3	3.88	17	40.1	1	43.61	20	24.5	5	15.80	47	52.2	9
21	5.41	19	36.0	0	3.71	18	40.0	2	43.41	21	25.0	4	15.33	49	53.1	3
31	5.22	19	36.0	4	3.53	17	40.2	3	43.20	20	25.4	1	14.84	48	53.4	2
April 10	5.03	18	35.6	6	3.36	16	40.5	4	43.00	19	25.5	1	14.36	46	53.2	8
20	4.85	15	35.0	10	3.20	13	40.9	5	42.81	16	25.4	2	13.90	43	52.4	13
30	4.70	12	34.0	12	3.07	10	41.4	7	42.65	12	25.2	3	13.47	38	51.1	17
Mai 10	4.58	9	32.8	15	2.97	7	42.1	8	42.53	8	24.9	5	13.09	33	49.4	21
20	4.49	5	31.3	17	2.90	4	42.9	9	42.45	4	24.4	6	12.76	27	47.3	26
30	4.44	1	29.6	19	2.86	0	43.8	11	42.41	0	23.8	6	12.49	19	44.7	29
Juni 9	4.43	3	27.7	20	2.86	4	44.9	11	42.41	6	23.2	6	12.30	13	41.8	31
19	4.46	7	25.7	21	2.90	9	46.0	12	42.47	10	22.6	7	12.17	5	38.7	33
29	4.53	12	23.6	23	2.99	13	47.2	13	42.57	16	21.9	7	12.12	3	35.4	37
Juli 9	[1] 4.65	14	21.3	22	[1] 3.12	15	48.5	12	[2] 42.73	19	21.2	6	[2] 12.15	11	31.7	34
19	4.79	17	19.1	20	3.27	18	49.7	11	42.92	22	20.6	6	12.26	19	28.3	33
29	4.96	20	17.1	18	3.45	20	50.8	11	43.14	25	20.0	5	12.45	26	25.0	31
Aug. 8	5.16	23	15.3	16	3.65	23	51.9	9	43.39	28	19.5	5	12.71	31	21.9	27
18	5.39	25	13.7	13	3.88	25	52.8	7	43.67	30	19.0	5	13.02	38	19.2	23
28	5.64	26	12.4	10	4.13	27	53.5	6	43.97	32	18.5	5	13.40	43	16.9	19
Sept. 7	5.90	28	11.4	6	4.40	27	54.1	2	44.29	34	18.0	4	13.83	47	15.0	13
17	6.18	29	10.8	1	4.67	29	54.3	0	44.63	35	17.6	4	14.30	49	13.7	6
27	6.47	29	10.7	4	4.96	29	54.3	3	44.98	36	17.2	3	14.79	50	13.1	0
Okt. 7	6.76	29	11.1	7	5.25	30	54.0	6	45.34	36	16.9	3	15.29	50	13.1	6
17	7.05	30	11.8	12	5.55	29	53.4	8	45.70	36	16.6	2	15.79	49	13.7	13
27	7.35	28	13.0	15	5.84	29	52.6	10	46.06	35	16.4	1	16.28	47	15.0	20
Nov. 6	7.63	26	14.5	19	6.13	28	51.6	12	46.41	34	16.3	0	16.75	42	17.0	24
16	7.89	25	16.4	22	6.41	25	50.4	13	46.75	31	16.3	1	17.17	35	19.4	29
26	8.14	21	18.6	23	6.66	23	49.1	14	47.06	29	16.4	2	17.52	29	22.3	33
Dez. 6	8.35	17	20.9	24	6.89	20	47.7	14	47.35	25	16.6	4	17.81	20	25.6	35
16	8.52	14	23.3	24	7.09	16	46.3	13	47.60	20	17.0	6	18.01	12	29.1	36
26	8.66	9	25.7	24	7.25	11	45.0	13	47.80	15	17.6	7	18.13	3	32.7	36
36	8.75		28.1		7.36		43.7		47.95		18.3		18.16		36.3	
Mittl. Ort	5.75		22.2		3.86		47.9		43.60		22.0		14.87		32.5	
	257)				258)				261)				262)			

*) Ort des Hauptsterns; die jährliche Parallaxe ist bereits angebracht.

1908	15 Lyncis. $4^{m}.6$. AR.		Dekl. +		ϑ Canis maj. $4^{m}.1$. AR.		Dekl. —		ε Canis maj. $1^{m}.5$. AR.		Dekl. —		ζ Geminor. ($3^{m}.8$). AR.		Dekl. +	
	$6^{h}\,49^{m}$		$58°\,32'$		$6^{h}\,49^{m}$		$11°\,55'$		$6^{h}\,54^{m}$		$28°\,50'$		$6^{h}\,58^{m}$		$20°\,42'$	
Jan. 1	19.65	15	36.0	22	55.42	8	25.1	20	61.37	6	49.0	28	39.47	12	18.0	1
11	19.80	6	38.2	22	55.50	3	27.1	19	61.43	2	51.8	26	39.59	7	17.9	— 1
21	19.86	— 2	40.4	21	55.53	— 2	29.0	16	61.45	— 3	54.4	24	39.66	1	18.0	1
31	19.84	11	42.5	21	55.51	6	30.6	14	61.42	9	56.8	21	39.67	— 4	18.1	2
Febr. 10	19.73	19	44.6	18	55.45	10	32.0	11	61.33	13	58.9	18	39.63	9	18.3	3
20	19.54	25	46.4	15	55.35	14	33.1	9	61.20	17	60.7	14	39.54	12	18.6	3
März 1	19.29	30	47.9	12	55.21	16	34.0	6	61.03	20	62.1	10	39.42	16	18.9	3
11	18.99	34	49.1	8	55.05	18	34.6	2	60.83	21	63.1	6	39.26	17	19.2	3
21	18.65	35	49.9	4	54.87	19	34.8	0	60.62	22	63.7	1	39.09	18	19.5	3
31	18.30	35	50.3	0	54.68	18	34.8	3	60.40	22	63.8	— 2	38.91	18	19.8	3
April 10	17.95	32	50.3	4	54.50	17	34.5	5	60.18	20	63.6	6	38.73	16	20.1	2
20	17.63	28	49.9	8	54.33	15	34.0	8	59.98	19	63.0	11	38.57	15	20.3	1
30	17.35	23	49.1	11	54.18	12	33.2	11	59.79	16	61.9	13	38.42	11	20.4	1
Mai 10	17.12	17	48.0	14	54.06	9	32.1	13	59.63	12	60.6	18	38.31	8	20.5	1
20	16.95	10	46.6	16	53.97	5	30.8	15	59.51	8	58.8	20	38.23	4	20.6	1
30	16.85	3	45.0	18	53.92	1	29.3	17	59.43	5	56.8	22	38.19	0	20.7	1
Juni 9	16.82	— 5	43.2	19	53.91	— 2	27.6	18	59.38	1	54.6	25	38.19	4	20.8	1
19	16.87	11	41.3	20	53.93	6	25.8	19	59.37	— 4	52.1	26	38.23	8	20.9	1
29	16.98	21	39.3	21	53.99	11	23.9	21	59.41	8	49.5	29	38.31	13	21.0	2
Juli 9	17.19	26	37.2	20	54.10	13	21.8	19	59.49	12	46.6	26	38.44	15	21.2	1
19	17.45	32	35.2	18	54.23	17	19.9	19	59.61	16	44.0	25	38.59	19	21.3	1
29	17.77	37	33.4	17	54.40	19	18.0	17	59.77	19	41.5	24	38.78	21	21.4	1
Aug. 8	18.14	42	31.7	15	54.59	22	16.3	15	59.96	22	39.1	21	38.99	24	21.5	0
18	18.56	45	30.2	13	54.81	24	14.8	12	60.18	24	37.0	18	39.23	26	21.5	1
28	19.01	49	28.9	12	55.05	25	13.6	9	60.42	26	35.2	14	39.49	28	21.4	2
Sept. 7	19.50	52	27.7	9	55.30	27	12.7	6	60.68	29	33.8	9	39.77	30	21.2	2
17	20.02	53	26.8	6	55.57	29	12.1	2	60.97	30	32.9	4	40.07	31	21.0	3
27	20.55	54	26.2	4	55.86	29	11.9	— 2	61.27	31	32.5	— 1	40.38	31	20.7	4
Okt. 7	21.09	56	25.8	0	56.15	29	12.1	7	61.58	31	32.6	7	40.69	32	20.3	5
17	21.65	55	25.8	2	56.44	29	12.8	10	61.89	31	33.3	12	41.01	32	19.8	6
27	22.20	53	26.0	5	56.73	29	13.8	14	62.20	30	34.5	17	41.33	32	19.2	6
Nov. 6	22.73	51	26.5	9	57.02	27	15.2	17	62.50	29	36.2	21	41.65	31	18.6	6
16	23.24	47	27.4	12	57.29	26	16.9	19	62.79	27	38.3	24	41.96	29	18.0	6
26	23.71	42	28.6	14	57.55	23	18.8	21	63.06	23	40.7	27	42.25	27	17.4	5
Dez. 6	24.13	36	30.0	17	57.78	19	20.9	22	63.29	19	43.4	28	42.52	23	16.9	4
16	24.49	28	31.7	20	57.97	15	23.1	21	63.48	15	46.2	29	42.75	19	16.5	4
26	24.77	21	33.7	21	58.12	10	25.2	21	63.63	10	49.1	29	42.94	15	16.1	2
36	24.98		35.8		58.22		27.3		63.73		52.0		43.09		15.9	
Mittl. Ort	18.80		39.0		54.94		22.6		60.57		47.3		39.20		21.1	
	265)				266)				268)				269)			

1908	γ Canis maj. $4^m.0$ AR.		γ Canis maj. Dekl. −		δ Canis maj. $1^m.9$ AR.		δ Canis maj. Dekl. −		63 Aurigae. $5^m.0$ AR.		63 Aurigae. Dekl. +		λ Geminor. $3^m.6$ AR.		λ Geminor. Dekl. +	
	$6^h\ 59^m$		15° 29′		$7^h\ 4^m$		26° 14′		$7^h\ 5^m$		39° 28′		$7^h\ 12^m$		16° 42′	
Jan. 1	36.32	9	50.8	22	39.74	8	49.4	27	20.13	14	13.2	10	48.66	13	21.9	5
11	36.41	4	53.0	21	39.82	3	52.1	26	20.27	8	14.2	12	48.79	8	21.4	2
21	36.45	1	55.1	19	39.85	2	54.7	23	20.35	2	15.4	12	48.87	2	21.2	1
31	36.44	6	57.0	16	39.83	7	57.0	21	20.37	4	16.6	12	48.89	2	21.1	1
Febr. 10	36.38	11	58.6	13	39.76	12	59.1	18	20.33	10	17.8	11	48.87	7	21.0	1
20	36.27	13	59.9	10	39.64	16	60.9	14	20.23	15	18.9	11	48.80	11	21.1	2
März 1	36.14	17	60.9	7	39.48	19	62.3	10	20.08	18	20.0	9	48.69	15	21.3	3
11	35.97	18	61.6	4	39.29	20	63.3	6	19.90	21	20.9	7	48.54	17	21.6	3
21	35.79	19	62.0	1	39.09	21	63.9	2	19.69	22	21.6	5	48.37	17	21.9	3
31	35.60	19	62.1	2	38.88	20	64.1	2	19.47	22	22.1	2	48.20	17	22.2	2
April 10	35.41	17	61.9	6	38.68	20	63.9	5	19.25	21	22.3	0	48.03	17	22.4	3
20	35.24	16	61.3	9	38.48	19	63.4	8	19.04	18	22.3	2	47.86	15	22.7	3
30	35.08	13	60.4	11	38.29	15	62.6	12	18.86	15	22.1	4	47.71	12	23.0	3
Mai 10	34.95	10	59.3	13	38.14	12	61.4	16	18.71	11	21.7	6	47.59	8	23.3	2
20	34.85	6	58.0	16	38.02	9	59.8	20	18.60	6	21.1	8	47.51	5	23.5	3
30	34.79	3	56.4	18	37.93	5	57.8	22	18.54	1	20.3	8	47.46	1	23.8	3
Juni 9	34.76	1	54.6	19	37.88	1	55.6	23	18.53	3	19.5	9	47.45	3	24.1	3
19	34.77	5	52.7	20	37.87	3	53.3	25	18.56	8	18.6	10	47.48	6	24.4	3
29	34.82	10	50.7	23	37.90	8	50.8	27	18.64	15	17.6	11	47.54	10	24.7	3
Juli 9	[5] 34.92	12	48.4	20	[6] 37.98	11	48.1	25	[7] 18.79	17	16.5	10	[8] 47.64	14	25.0	3
19	35.04	16	46.4	20	38.09	14	45.6	24	18.96	22	15.5	10	47.78	17	25.3	3
29	35.20	18	44.4	19	38.23	18	43.2	23	19.18	25	14.5	9	47.95	20	25.6	2
Aug. 8	35.38	21	42.5	16	38.41	21	40.9	21	19.43	28	13.6	9	48.15	22	25.8	2
18	35.59	23	40.9	14	38.62	24	38.8	17	19.71	31	12.7	9	48.37	25	26.0	0
28	35.82	25	39.5	10	38.86	26	37.1	13	20.02	33	11.8	8	48.62	26	26.0	1
Sept. 7	36.07	27	38.5	7	39.12	27	35.8	9	20.35	35	11.0	7	48.88	28	25.9	2
17	36.34	28	37.8	2	39.39	29	34.9	5	20.70	36	10.3	7	49.16	29	25.7	3
27	36.62	30	37.6	2	39.68	31	34.4	1	21.06	38	9.6	6	49.45	31	25.4	5
Okt. 7	36.92	29	37.8	6	39.99	31	34.5	6	21.44	39	9.0	4	49.76	32	24.9	6
17	37.21	30	38.4	11	40.30	31	35.1	12	21.83	39	8.6	3	50.08	31	24.3	7
27	37.51	29	39.5	15	40.61	30	36.3	16	22.22	38	8.3	2	50.39	32	23.6	8
Nov. 6	37.80	28	41.0	18	40.91	29	37.9	20	22.60	38	8.1	0	50.71	31	22.8	9
16	38.08	26	42.8	20	41.20	27	39.9	23	22.98	35	8.1	2	51.02	29	21.9	9
26	38.34	24	44.8	22	41.47	24	42.2	26	23.33	32	8.3	4	51.31	27	21.0	8
Dez. 6	38.58	20	47.0	23	41.71	20	44.8	28	23.65	29	8.7	6	51.58	24	20.2	7
16	38.78	16	49.3	23	41.91	16	47.6	28	23.94	23	9.3	8	51.82	20	19.5	6
26	38.94	11	51.6	23	42.07	11	50.4	28	24.17	18	10.1	10	52.02	16	18.9	5
36	39.05		53.9		42.18		53.2		24.35		11.1		52.18		18.4	
Mittl. Ort	35.79		48.9		39.00		48.3		19.76		16.7		48.40		24.7	
	271)				273)				274)				277)			

1908	π Argus. $2^m.5$.				δ Geminorum. $3^m.3$.				19 Lyncis seq. $5^m.5$.				δ Volantis. $4^m.0$.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. −	
	$7^h\ 13^m$		36° 55′		$7^h\ 14^m$		22° 9′		$7^h\ 15^m$		55° 27′		$7^h\ 16^m$		67° 47′	
Jan. 1	54.61	8	54.7	32	38.05	13	5.4	1	22.56	19	15.7	19	56.50	2	17.6	37
11	54.69	2	57.9	30	38.18	8	5.3	—1	22.75	11	17.6	20	56.52	—10	21.3	35
21	54.71	—4	60.9	28	38.26	3	5.4	2	22.86	3	19.6	21	56.42	21	24.8	34
31	54.67	9	63.7	25	38.29	—2	5.6	3	22.89	—6	21.7	20	56.21	31	28.2	31
Febr. 10	54.58	14	66.2	22	38.27	7	5.9	3	22.83	14	23.7	19	55.90	40	31.3	28
20	54.44	18	68.4	18	38.20	11	6.2	4	22.69	20	25.6	16	55.50	48	34.1	23
März 1	54.26	21	70.2	13	38.09	15	6.6	5	22.49	25	27.2	14	55.02	54	36.4	18
11	54.05	24	71.5	9	37.94	17	7.1	4	22.24	29	28.6	10	54.48	58	38.2	14
21	53.81	25	72.4	4	37.77	18	7.5	3	21.95	31	29.6	7	53.90	61	39.6	8
31	53.56	24	72.8	0	37.59	18	7.8	3	21.64	32	30.3	3	53.29	61	40.4	2
April 10	53.32	24	72.8	4	37.41	17	8.1	3	21.32	30	30.6	—1	52.68	60	40.6	—2
20	53.08	22	72.4	9	37.24	15	8.4	2	21.02	26	30.5	4	52.08	57	40.4	8
30	52.86	20	71.5	13	37.09	12	8.6	1	20.76	23	30.1	8	51.51	53	39.6	13
Mai 10	52.66	16	70.2	17	36.97	9	8.7	1	20.53	18	29.3	11	50.98	48	38.3	18
20	52.50	13	68.5	20	36.88	6	8.8	0	20.35	12	28.2	14	50.50	41	36.5	22
30	52.37	8	66.5	24	36.82	2	8.8	1	20.23	6	26.8	16	50.09	34	34.3	26
Juni 9	52.29	4	64.1	26	36.80	—3	8.9	0	20.17	—1	25.2	17	49.75	25	31.7	29
19	52.25	0	61.5	27	36.83	7	8.9	1	20.18	7	23.5	18	49.50	16	28.8	31
29	52.25	5	58.8	29	36.90	10	8.8	0	20.25	13	21.7	19	49.34	6	25.7	33
Juli 9	52.30	10	55.9	31	37.00	15	8.8	0	20.38	22	19.8	21	49.28	—4	22.4	37
19	52.40	13	52.8	28	37.15	18	8.8	1	20.60	26	17.7	18	49.32	13	18.7	33
29	52.53	17	50.0	27	37.33	20	8.7	1	20.86	31	15.9	18	49.45	22	15.4	32
Aug. 8	52.70	21	47.3	24	37.53	23	8.6	1	21.17	35	14.1	17	49.67	31	12.2	29
18	52.91	24	44.9	20	37.76	25	8.5	2	21.52	39	12.4	15	49.98	40	9.3	26
28	53.15	27	42.9	17	38.01	27	8.3	3	21.91	43	10.9	14	50.38	47	6.7	22
Sept. 7	53.42	29	41.2	12	38.28	29	8.0	4	22.34	46	9.5	12	50.85	53	4.5	16
17	53.71	32	40.0	6	38.57	31	7.6	4	22.80	48	8.3	9	51.38	57	2.9	10
27	54.03	33	39.4	1	38.88	32	7.2	6	23.28	50	7.4	7	51.95	61	1.9	4
Okt. 7	54.36	33	39.3	—6	39.20	32	6.6	6	23.78	52	6.7	5	52.56	62	1.5	—3
17	54.69	34	39.9	11	39.52	33	6.0	6	24.30	51	6.2	2	53.18	61	1.8	9
27	55.03	33	41.0	16	39.85	33	5.4	7	24.81	51	6.0	—1	53.79	58	2.7	16
Nov. 6	55.36	31	42.6	21	40.18	32	4.7	7	25.32	50	6.1	4	54.37	54	4.3	22
16	55.67	29	44.7	25	40.50	30	4.0	6	25.82	46	6.5	8	54.91	47	6.5	27
26	55.96	26	47.2	29	40.80	28	3.4	5	26.28	43	7.3	10	55.38	39	9.2	31
Dez. 6	56.22	22	50.1	31	41.08	25	2.9	4	26.71	37	8.3	13	55.77	30	12.3	34
16	56.44	16	53.2	32	41.33	21	2.5	4	27.08	31	9.6	16	56.07	19	15.7	30
26	56.60	11	56.4	32	41.54	17	2.1	2	27.39	24	11.2	19	56.26	8	18.7	27
36	56.71		59.6		41.71		1.9		27.63		13.1		56.34		22.4	
Mittl. Ort	53.57		55.0		37.79		8.5		21.87		19.8		52.80		19.8	
	278)				279)				280)				281)			

1908	ι Geminorum. $3^m.8$. AR.		Dekl. +		Gr. 1308. $5^m.8$. AR.		Dekl. +	
	$7^h\ 19^m$		27° 58′		$7^h\ 21^m$		68° 38′	
Jan. 1	61.13	15	50.1	3	20.37	27	71.9	26
11	61.28	9	50.4	4	20.64	15	74.5	26
21	61.37	3	50.8	6	20.79	1	77.1	26
31	61.40	2	51.4	6	20.80	11	79.7	25
Febr. 10	61.38	7	52.0	6	20.69	23	82.2	24
20	61.31	11	52.6	7	20.46	33	84.6	21
März 1	61.20	15	53.3	6	20.13	41	86.7	17
11	61.05	18	53.9	6	19.72	47	88.4	13
21	60.87	18	54.5	4	19.25	50	89.7	8
31	60.69	19	54.9	4	18.75	52	90.5	3
April 10	60.50	18	55.3	2	18.23	49	90.8	1
20	60.32	16	55.5	1	17.74	46	90.7	7
30	60.16	13	55.6	0	17.28	40	90.0	11
Mai 10	60.03	10	55.6	1	16.88	33	88.9	14
20	59.93	6	55.5	2	16.55	24	87.5	18
30	59.87	2	55.3	3	16.31	14	85.7	21
Juni 9	59.85	2	55.0	3	16.17	5	83.6	23
19	59.87	6	54.7	3	16.12	6	81.3	24
29	59.93	10	54.4	4	16.18	15	78.9	25
Juli 9	60.03	15	54.0	5	16.33	27	76.4	28
19	[10] 60.18	18	53.5	4	[11] 16.60	34	73.6	24
29	60.36	21	53.1	4	16.94	43	71.2	24
Aug. 8	60.57	23	52.7	5	17.37	51	68.8	22
18	60.80	26	52.2	5	17.88	57	66.6	20
28	61.06	28	51.7	5	18.45	63	64.6	17
Sept. 7	61.34	30	51.2	6	19.08	69	62.9	15
17	61.64	32	50.6	6	19.77	72	61.4	12
27	61.96	33	50.0	6	20.49	75	60.2	9
Okt. 7	62.29	34	49.4	7	21.24	77	59.3	5
17	62.63	35	48.7	6	22.01	78	58.8	0
27	62.98	34	48.1	6	22.79	76	58.8	3
Nov. 6	63.32	34	47.5	6	23.55	73	59.1	7
16	63.66	32	46.9	4	24.28	69	59.8	12
26	63.98	30	46.5	3	24.97	63	61.0	15
Dez. 6	64.28	27	46.2	1	25.60	55	62.5	19
16	64.55	23	46.1	0	26.15	45	64.4	21
26	64.78	17	46.1	2	26.60	33	66.5	25
36	64.95		46.3		26.93		69.0	
Mittl. Ort	60.86		53.5		18.90		76.3	
	282)				284)			

1908	β Canis min. $2^m.9$. AR.		Dekl. +		ρ Geminor. $4^m.4$. AR.		Dekl. +	
	$7^h\ 22^m$		8° 28′		$7^h\ 23^m$		31° 57′	
Jan. 1	10.02	13	28.5	9	12.02	16	61.6	5
11	10.15	8	27.6	8	12.18	10	62.1	7
21	10.23	3	26.8	6	12.28	4	62.8	8
31	10.26	2	26.2	5	12.32	2	63.6	8
Febr. 10	10.24	7	25.7	4	12.30	7	64.4	9
20	10.17	10	25.3	1	12.23	12	65.3	8
März 1	10.07	13	25.2	0	12.11	15	66.1	8
11	9.94	16	25.2	1	11.96	18	66.9	7
21	9.78	17	25.3	1	11.78	19	67.6	5
31	9.61	17	25.4	3	11.59	20	68.1	4
April 10	9.44	16	25.7	4	11.39	19	68.5	2
20	9.28	15	26.1	4	11.20	16	68.7	1
30	9.13	12	26.5	5	11.04	14	68.8	1
Mai 10	9.01	9	27.0	6	10.90	11	68.7	3
20	8.92	6	27.6	6	10.79	7	68.4	3
30	8.86	2	28.2	6	10.72	3	68.1	4
Juni 9	8.84	2	28.8	7	10.69	2	67.7	5
19	8.86	5	29.5	8	10.71	6	67.2	6
29	8.91	8	30.3	7	10.77	10	66.6	6
Juli 9	8.99	13	31.0	8	10.87	16	66.0	7
19	[11] 9.12	16	31.8	8	[11] 11.03	18	65.3	7
29	9.28	18	32.6	6	11.21	21	64.6	7
Aug. 8	9.46	20	33.2	5	11.42	24	63.9	7
18	9.66	22	33.7	3	11.66	27	63.2	7
28	9.88	25	34.0	2	11.93	29	62.5	6
Sept. 7	10.13	27	34.2	0	12.22	32	61.9	7
17	10.40	28	34.2	2	12.54	33	61.2	7
27	10.68	29	34.0	5	12.87	34	60.5	7
Okt. 7	10.97	30	33.5	6	13.21	35	59.8	7
17	11.27	31	32.9	9	13.56	36	59.1	6
27	11.58	30	32.0	10	13.92	36	58.5	5
Nov. 6	11.88	30	31.0	12	14.28	35	58.0	5
16	12.18	29	29.8	12	14.63	34	57.5	3
26	12.47	27	28.6	12	14.97	31	57.2	1
Dez. 6	12.74	24	27.4	12	15.28	28	57.1	1
16	12.98	20	26.2	12	15.56	24	57.2	3
26	13.18	15	25.0	10	15.80	18	57.5	4
36	13.33		24.0		15.98		57.9	
Mittl. Ort	9.74		30.8		11.74		65.2	
	285)				286)			

1908	α Gemin. $1^m.8.\ 2^m.8$				25 Monocerot. $5^m.3$				α Canis min.*) $0^m.5$				24 Lyncis. $5^m.0$			
	AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +	
	$7^h\ 28^m$		32° 5′		$7^h\ 32^m$		3° 54′		$7^h\ 34^m$		5° 27′		$7^h\ 35^m$		58° 55′	
	s		″		s		″		s		″		s		″	
Jan. 1	44.03	16	24.4	5	42.63	13	19.4	17	29.46	14	38.0	12	14.47	24	29.9	21
11	44.19	11	24.9	6	42.76	8	21.1	16	29.60	8	36.8	10	14.71	15	32.0	21
21	44.30	5	25.5	8	42.84	3	22.7	14	29.68	4	35.8	9	14.86	6	34.1	22
31	44.35	—1	26.3	9	42.87	—2	24.1	12	29.72	—1	34.9	7	14.92	—4	36.3	22
Febr. 10	44.34	6	27.2	8	42.85	6	25.3	9	29.71	6	34.2	5	14.88	12	38.5	21
20	44.28	11	28.0	9	42.79	11	26.2	7	29.65	9	33.7	3	14.76	20	40.6	20
März 1	44.17	15	28.9	8	42.68	14	26.9	5	29.56	13	33.4	2	14.56	26	42.6	16
11	44.02	18	29.7	7	42.54	15	27.4	3	29.43	16	33.2	0	14.30	31	44.2	13
21	43.84	19	30.4	6	42.39	17	27.7	0	29.27	16	33.2	1	13.99	33	45.5	9
31	43.65	20	31.0	4	42.22	17	27.7	2	29.11	17	33.3	3	13.66	35	46.4	5
April 10	43.45	19	31.4	2	42.05	17	27.5	4	28.94	17	33.6	3	13.31	34	46.9	1
20	43.26	17	31.6	1	41.88	16	27.1	5	28.77	15	33.9	4	12.97	31	47.0	—3
30	43.09	15	31.7	—1	41.72	13	26.6	7	28.62	12	34.3	6	12.66	27	46.7	7
Mai 10	42.94	11	31.6	2	41.59	10	25.9	9	28.50	10	34.9	6	12.39	22	46.0	11
20	42.83	7	31.4	4	41.49	7	25.0	11	28.40	7	35.5	7	12.17	17	44.9	13
30	42.76	3	31.0	4	41.42	4	23.9	12	28.33	3	36.2	7	12.00	10	43.6	16
Juni 9	42.73	—1	30.6	5	41.38	0	22.7	13	28.30	0	36.9	8	11.90	3	42.0	18
19	42.74	5	30.1	6	41.38	3	21.4	14	28.30	4	37.7	9	11.87	—4	40.2	20
29	42.79	9	29.5	6	41.41	6	20.0	14	28.34	7	38.6	9	11.91	11	38.2	21
Juli 9	42.88	15	28.9	8	41.47	11	18.6	15	28.41	11	39.5	9	12.02	19	36.1	24
19	43.03	18	28.1	7	41.58	14	17.1	13	28.52	13	40.4	8	12.21	24	33.7	21
29	43.21	20	27.4	7	41.72	16	15.8	13	28.65	17	41.2	7	12.45	30	31.6	20
Aug. 8	43.41	23	26.7	7	41.88	19	14.5	11	28.82	19	41.9	6	12.75	35	29.6	20
18	43.64	26	26.0	7	42.07	21	13.4	8	29.01	21	42.5	4	13.10	40	27.6	19
28	43.90	29	25.3	8	42.28	23	12.6	6	29.22	24	42.9	3	13.50	45	25.7	17
Sept. 7	44.19	31	24.5	8	42.51	26	12.0	4	29.46	25	43.2	0	13.95	48	24.0	15
17	44.50	32	23.7	7	42.77	27	11.6	1	29.71	27	43.2	2	14.43	51	22.5	13
27	44.82	34	23.0	8	43.04	29	11.5	—3	29.98	29	43.0	5	14.94	53	21.2	10
Okt. 7	45.16	35	22.2	7	43.33	29	11.8	7	30.27	30	42.5	8	15.47	56	20.2	8
17	45.51	36	21.5	7	43.62	30	12.5	9	30.57	30	41.7	10	16.03	56	19.4	4
27	45.87	36	20.8	5	43.92	30	13.4	13	30.87	31	40.7	11	16.59	56	19.0	1
Nov. 6	46.23	36	20.3	5	44.22	30	14.7	15	31.18	30	39.6	13	17.15	55	18.9	—3
16	46.59	34	19.8	4	44.52	29	16.2	17	31.48	29	38.3	14	17.70	52	19.2	6
26	46.93	32	19.4	2	44.81	26	17.9	18	31.77	27	36.9	14	18.22	49	19.8	10
Dez. 6	47.25	29	19.2	—1	45.07	24	19.7	19	32.04	24	35.5	15	18.71	43	20.8	13
16	47.54	24	19.3	2	45.31	20	21.6	18	32.28	21	34.0	14	19.14	36	22.1	16
26	47.78	19	19.5	4	45.51	15	23.4	18	32.49	16	32.6	13	19.50	29	23.7	19
36	47.97		19.9		45.66		25.2		32.65		31.3		19.79		25.6	
Mittl. Ort	43.77		28.1		42.26		18.3		29.20		40.8		13.69		34.9	
	287)				289)				291)				292)			

*) Die Angaben für α Canis min. beziehen sich hier auf den Ort des sichtbaren Sterns.

1908	κ Geminorum. $3^m.4$ AR.		κ Geminorum. Dekl. +		β Geminorum. $1^m.1$ AR.		β Geminorum. Dekl. +		π Geminorum. $5^m.5$ AR.		π Geminorum. Dekl. +		ζ Volantis. $3^m.9$ AR.		ζ Volantis. Dekl. −	
	$7^h 38^m$		24° 37′		$7^h 39^m$		28° 14′		$7^h 41^m$		33° 38′		$7^h 42^m$		72° 22′	
	s		″		s		″		s		″		s		″	
Jan. 1	53.95	16	5.7	0	41.52	17	52.6	3	34.89	18	27.5	6	62.12	7	61.4	37
11	54.11	11	5.7	2	41.69	11	52.9	4	35.07	12	28.1	7	62.19	7	65.1	37
21	54.22	5	5.9	3	41.80	6	53.3	5	35.19	6	28.8	8	62.12	21	68.8	35
31	54.27	0	6.2	5	41.86	1	53.8	6	35.25	0	29.6	9	61.91	34	72.3	33
Febr. 10	54.27	5	6.7	5	41.85	5	54.4	7	35.25	5	30.5	10	61.57	45	75.6	30
20	54.22	10	7.2	5	41.80	10	55.1	8	35.20	11	31.5	10	61.12	55	78.6	27
März 1	54.12	13	7.7	6	41.70	14	55.9	7	35.09	14	32.5	9	60.57	63	81.3	22
11	53.99	16	8.3	6	41.56	16	56.6	6	34.95	17	33.4	9	59.94	71	83.5	17
21	53.83	17	8.9	5	41.40	18	57.2	6	34.78	20	34.3	6	59.23	75	85.2	13
31	53.66	18	9.4	4	41.22	19	57.8	5	34.58	20	34.9	5	58.48	76	86.5	8
April 10	53.48	18	9.8	4	41.03	19	58.3	3	34.38	19	35.4	3	57.72	76	87.3	2
20	53.30	16	10.2	2	40.84	16	58.6	2	34.19	17	35.7	1	56.96	75	87.5	4
30	53.14	14	10.4	1	40.68	14	58.8	1	34.02	16	35.8	0	56.21	71	87.1	9
Mai 10	53.00	10	10.5	1	40.54	11	58.9	1	33.86	12	35.8	2	55.50	65	86.2	14
20	52.90	7	10.6	0	40.43	8	58.8	2	33.74	8	35.6	4	54.85	59	84.8	18
30	52.83	3	10.6	1	40.35	4	58.6	2	33.66	4	35.2	4	54.26	50	83.0	22
Juni 9	52.80	0	10.5	1	40.31	0	58.4	3	33.62	0	34.8	6	53.76	40	80.8	26
19	52.80	4	10.4	2	40.31	4	58.1	4	33.62	4	34.2	7	53.36	30	78.2	30
29	52.84	8	10.2	2	40.35	8	57.7	4	33.66	8	33.5	7	53.06	19	75.2	32
Juli 9	52.92	13	10.0	3	40.43	13	57.3	5	33.74	14	32.8	9	52.87	7	72.0	35
19	15 53.05	15	9.7	3	15 40.56	16	56.8	5	16 33.88	16	31.9	9	16 52.80	6	68.5	34
29	53.20	18	9.4	4	40.72	19	56.3	6	34.04	19	31.0	8	52.86	18	65.1	32
Aug. 8	53.38	21	9.0	4	40.91	21	55.7	6	34.23	23	30.2	9	53.04	29	61.9	31
18	53.59	24	8.6	5	41.12	24	55.1	6	34.46	26	29.3	9	53.33	41	58.8	28
28	53.83	26	8.1	5	41.36	27	54.5	7	34.72	28	28.4	10	53.74	51	56.0	24
Sept. 7	54.09	29	7.6	6	41.63	29	53.8	8	35.00	31	27.4	9	54.25	60	53.6	19
17	54.38	30	7.0	7	41.92	31	53.0	8	35.31	33	26.5	9	54.85	67	51.7	14
27	54.68	31	6.3	7	42.23	32	52.2	8	35.64	34	25.6	9	55.52	72	50.3	7
Okt. 7	54.99	33	5.6	8	42.55	34	51.4	8	35.98	35	24.7	8	56.24	75	49.6	1
17	55.32	34	4.8	9	42.89	35	50.6	8	36.33	36	23.9	8	56.99	76	49.5	6
27	55.66	34	3.9	8	43.24	35	49.8	7	36.69	37	23.1	7	57.75	74	50.1	12
Nov. 6	56.00	34	3.1	8	43.59	34	49.1	7	37.06	37	22.4	5	58.49	69	51.3	19
16	56.34	32	2.3	7	43.93	34	48.4	6	37.43	35	21.9	4	59.18	62	53.2	24
26	56.66	30	1.6	6	44.27	31	47.8	5	37.78	33	21.5	2	59.80	52	55.6	29
Dez. 6	56.96	28	1.0	5	44.58	28	47.3	2	38.11	30	21.3	0	60.32	42	58.5	32
16	57.24	24	0.5	3	44.86	25	47.1	1	38.41	26	21.3	2	60.74	28	61.7	35
26	57.48	19	0.2	1	45.11	20	47.0	1	38.67	21	21.5	5	61.02	15	65.2	37
36	57.67		0.1		45.31		47.1		38.88		22.0		61.17		68.9	
Mittl. Ort	53.72		9.1		41.28		56.3		34.63		31.5		57.32		66.7	
	294)				295)				296)				297)			

1908	Gr. 1374. 5^m.5. AR.		Dekl. +		χ Argus. 3^m.5. AR.		Dekl. —		χ Geminorum. 5^m.1. AR.		Dekl. +		ζ Argus. 2^m.2. AR.		Dekl. —	
	7^h 49^m		74° 9′		7^h 54^m		52° 43′		7^h 57^m		28° 2′		8^h 0^m		39° 44′	
	s		″		s		″		s		″		s		″	
Jan. 1	14.07	42	47.2	26	28.15	12	61.5	36	52.40	19	66.4	2	22.04	14	32.7	33
11	14.49	26	49.8	28	28.27	5	65.1	36	52.59	13	66.6	3	22.18	8	36.0	33
21	14.75	9	52.6	28	28.32	— 3	68.7	35	52.72	8	66.9	5	22.26	1	39.3	31
31	14.84	— 8	55.4	29	28.29	10	72.2	32	52.80	2	67.4	6	22.27	— 5	42.4	29
Febr. 10	14.76	23	58.3	27	28.19	16	75.4	29	52.82	— 4	68.0	7	22.22	10	45.3	26
20	14.53	38	61.0	24	28.03	22	78.3	25	52.78	8	68.7	8	22.12	15	47.9	23
März 1	14.15	50	63.4	21	27.81	27	80.8	21	52.70	12	69.5	8	21.97	18	50.2	19
11	13.65	60	65.5	16	27.54	31	82.9	17	52.58	15	70.3	7	21.79	22	52.1	14
21	13.05	66	67.1	12	27.23	33	84.6	12	52.43	18	71.0	6	21.57	24	53.5	10
31	12.39	69	68.3	7	26.90	34	85.8	7	52.25	18	71.6	6	21.33	25	54.5	5
April 10	11.70	69	69.0	1	26.56	34	86.5	1	52.07	18	72.2	5	21.08	25	55.0	0
20	11.01	65	69.1	— 4	26.22	33	86.6	— 4	51.89	17	72.7	3	20.83	24	55.0	4
30	10.36	60	68.7	9	25.89	31	86.2	9	51.72	14	73.0	1	20.59	22	54.6	8
Mai 10	9.76	52	67.8	14	25.58	28	85.3	13	51.58	12	73.1	0	20.37	20	53.8	12
20	9.24	42	66.4	17	25.30	24	84.0	18	51.46	9	73.1	1	20.17	16	52.6	17
30	8.82	30	64.7	21	25.06	20	82.2	22	51.37	5	73.0	2	20.01	13	50.9	20
Juni 9	8.52	17	62.6	24	24.86	15	80.0	25	51.32	1	72.8	3	19.88	10	48.9	23
19	8.35	5	60.2	26	24.71	10	77.5	28	51.31	— 2	72.5	4	19.78	5	46.6	25
29	8.30	— 8	57.6	27	24.61	5	74.7	30	51.33	6	72.1	4	19.73	1	44.1	28
Juli 9	8.38	23	54.9	31	24.56	— 1	71.7	31	51.39	10	71.7	5	19.72	— 3	41.3	29
19	[17] 8.61	34	51.8	28	[19] 24.57	7	68.6	35	[20] 51.49	15	71.2	6	[20] 19.75	8	38.4	31
29	8.95	46	49.0	27	24.64	13	65.1	31	51.64	17	70.6	6	19.83	12	35.3	27
Aug. 8	9.41	56	46.3	27	24.77	18	62.0	29	51.81	20	70.0	7	19.95	16	32.6	25
18	9.97	67	43.6	24	24.95	23	59.1	26	52.01	23	69.3	8	20.11	20	30.1	23
28	10.64	76	41.2	22	25.18	28	56.5	22	52.24	25	68.5	8	20.31	24	27.8	20
Sept. 7	11.40	84	39.0	19	25.46	33	54.3	18	52.49	28	67.7	9	20.55	27	25.8	15
17	12.24	90	37.1	17	25.79	37	52.5	13	52.77	30	66.8	9	20.82	30	24.3	10
27	13.14	95	35.4	13	26.16	39	51.2	6	53.07	32	65.9	9	21.12	32	23.3	4
Okt. 7	14.09	99	34.1	9	26.55	41	50.6	0	53.39	33	65.0	10	21.44	34	22.9	— 1
17	15.08	101	33.2	4	26.96	42	50.6	7	53.72	35	64.0	10	21.78	35	23.0	7
27	16.09	100	32.8	0	27.38	42	51.3	13	54.07	35	63.0	9	22.13	35	23.7	13
Nov. 6	17.09	98	32.8	5	27.80	41	52.6	19	54.42	35	62.1	9	22.48	35	25.0	19
16	18.07	94	33.3	9	28.21	37	54.5	24	54.77	34	61.2	7	22.83	33	26.9	23
26	19.01	88	34.2	13	28.58	34	56.9	29	55.11	33	60.5	6	23.16	30	29.2	27
Dez. 6	19.89	77	35.5	18	28.92	29	59.8	32	55.44	30	59.9	4	23.46	27	31.9	30
16	20.66	65	37.3	22	29.21	23	63.0	34	55.74	26	59.5	2	23.73	22	34.9	33
26	21.31	51	39.5	26	29.44	16	66.4	36	56.00	22	59.3	0	23.95	17	38.2	34
36	21.82		42.1		29.60		70.0		56.22		59.3		24.12		41.6	
Mittl. Ort	11.97		53.0		26.41		66.7		52.20		70.2		21.00		37.0	
	300)				303)				305)				306)			

1908	27 Lyncis. $4^m.6$. AR.		Dekl. +		ι Navis. $2^m.8$. AR.		Dekl. —	
	$8^h\ 1^m$		$51°\ 46'$		$8^h\ 3^m$		$24°\ 2'$	
	s		"		s		"	
Jan. 1	32.97	25	15.3	15	38.12	15	16.7	28
11	33.22	18	16.8	17	38.27	10	19.5	27
21	33.40	10	18.5	19	38.37	5	22.2	25
31	33.50	2	20.4	19	38.42	1	24.7	23
Febr. 10	33.52	6	22.3	19	38.41	5	27.0	20
20	33.46	12	24.2	19	38.36	10	29.0	17
März 1	33.34	18	26.1	16	38.26	14	30.7	14
11	33.16	23	27.7	14	38.12	17	32.1	10
21	32.93	26	29.1	11	37.95	18	33.1	6
31	32.67	27	30.2	8	37.77	20	33.7	3
April 10	32.40	28	31.0	5	37.57	20	34.0	1
20	32.12	26	31.5	0	37.37	18	33.9	4
30	31.86	23	31.5	3	37.19	18	33.5	8
Mai 10	31.63	20	31.2	6	37.01	15	32.7	12
20	31.43	15	30.6	9	36.86	12	31.5	14
30	31.28	10	29.7	12	36.74	9	30.1	17
Juni 9	31.18	4	28.5	14	36.65	5	28.4	19
19	31.14	1	27.1	16	36.60	2	26.5	20
29	31.15	6	25.5	18	36.58	2	24.5	22
Juli 9	31.21	11	23.7	18	36.60	5	22.3	23
19	31.32	19	21.9	21	36.65	10	20.0	25
29	[21] 31.51	22	19.8	19	[21] 36.75	13	17.5	21
Aug. 8	31.73	26	17.9	19	36.88	16	15.4	20
18	31.99	31	16.0	18	37.04	19	13.4	18
28	32.30	35	14.2	18	37.23	21	11.6	14
Sept. 7	32.65	38	12.4	16	37.44	24	10.2	10
17	33.03	41	10.8	15	37.68	27	9.2	6
27	33.44	44	9.3	13	37.95	28	8.6	2
Okt. 7	33.88	46	8.0	11	38.23	30	8.4	3
17	34.34	48	6.9	9	38.53	31	8.7	9
27	34.82	48	6.0	6	38.84	31	9.6	13
Nov. 6	35.30	48	5.4	3	39.15	31	10.9	18
16	35.78	46	5.1	0	39.46	29	12.7	21
26	36.24	44	5.1	4	39.75	28	14.8	24
Dez. 6	36.68	41	5.5	7	40.03	26	17.2	27
16	37.09	35	6.2	11	40.29	22	19.9	28
26	37.44	29	7.3	13	40.51	17	22.7	28
36	37.73		8.6		40.68		25.5	
Mittl. Ort	32.51		21.0		37.54		19.4	
	307)				308)			

1908	γ Argus. $2^m.1$. AR.		Dekl. —		Br. 1147. $5^m.8$. AR.		Dekl. +	
	$8^h\ 6^m$		$47°\ 3'$		$8^h\ 7^m$		$76°\ 1'$	
	s		"		s		"	
Jan. 1	43.15	15	48.8	35	62.70	54	72.9	26
11	43.30	7	52.3	35	63.24	36	75.5	28
21	43.37	1	55.8	34	63.60	16	78.3	29
31	43.38	6	59.2	31	63.76	2	81.2	30
Febr. 10	43.32	11	62.3	29	63.74	21	84.2	28
20	43.21	17	65.2	25	63.53	38	87.0	26
März 1	43.04	22	67.7	21	63.15	52	89.6	23
11	42.82	25	69.8	17	62.63	64	91.9	19
21	42.57	28	71.5	12	61.99	72	93.8	14
31	42.29	29	72.7	7	61.27	77	95.2	9
April 10	42.00	29	73.4	2	60.50	78	96.1	4
20	41.71	28	73.6	2	59.72	77	96.5	2
30	41.43	27	73.4	7	58.95	71	96.3	8
Mai 10	41.16	24	72.7	12	58.24	63	95.5	12
20	40.92	21	71.5	17	57.61	53	94.3	16
30	40.71	17	69.8	20	57.08	41	92.7	21
Juni 9	40.54	13	67.8	23	56.67	28	90.6	23
19	40.41	9	65.5	26	56.39	14	88.3	26
29	40.32	4	62.9	29	56.25	0	85.7	27
Juli 9	40.28	1	60.0	30	56.25	16	83.0	29
19	40.29	7	57.0	33	56.41	34	80.1	33
29	[22] 40.36	11	53.7	29	[22] 56.75	42	76.8	29
Aug. 8	40.47	16	50.8	28	57.17	56	73.9	28
18	40.63	20	48.0	26	57.73	69	71.1	27
28	40.83	24	45.4	22	58.42	79	68.4	25
Sept. 7	41.07	29	43.2	17	59.21	89	65.9	22
17	41.36	32	41.5	12	60.10	98	63.7	19
27	41.68	35	40.3	6	61.08	104	61.8	16
Okt. 7	42.03	37	39.7	1	62.12	109	60.2	12
17	42.40	39	39.6	6	63.21	112	59.0	7
27	42.79	39	40.2	12	64.33	114	58.3	3
Nov. 6	43.18	38	41.4	18	65.47	112	58.0	2
16	43.56	36	43.2	23	66.59	108	58.2	7
26	43.92	33	45.5	28	67.67	101	58.9	12
Dez. 6	44.25	29	48.3	31	68.68	91	60.1	16
16	44.54	24	51.4	34	69.59	78	61.7	21
26	44.78	17	54.8	35	70.37	65	63.8	24
36	44.95		58.3		71.02		66.2	
Mittl. Ort	41.80		54.5		60.34		79.7	
	309)				310)			

1908	20 Navis. 5ᵐ.3.				β Cancri. 3ᵐ.5.				31 Lyncis. 4ᵐ.4.				ε Argus. 1ᵐ.7.			
	AR.		Dekl. —		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. —	
	8ʰ 9ᵐ		15° 30′		8ʰ 11ᵐ		9° 28′		8ʰ 16ᵐ		43° 28′		8ʰ 20ᵐ		59° 12′	
Jan. 1	6.70	15	36.4	25	31.82	18	8.8	11	32.74	24	56.1	9	39.80	17	38.9	37
11	6.85	11	38.9	23	32.00	13	7.7	9	32.98	18	57.0	12	39.97	9	42.6	37
21	6.96	6	41.2	21	32.13	7	6.8	6	33.16	11	58.2	14	40.06	0	46.3	37
31	7.02	0	43.3	19	32.20	3	6.2	5	33.27	4	59.6	15	40.06	9	50.0	35
Febr. 10	7.02	4	45.2	16	32.23 —	2	5.7	4	33.31 —	2	61.1	16	39.97	17	53.5	32
20	6.98	8	46.8	14	32.21	7	5.3	1	33.29	9	62.7	15	39.80	24	56.7	29
März 1	6.90	12	48.2	11	32.14	10	5.2	0	33.20	13	64.2	15	39.56	29	59.6	26
11	6.78	15	49.3	7	32.04	13	5.2	2	33.07	18	65.7	13	39.27	34	62.2	21
21	6.63	17	50.0	4	31.91	15	5.4	2	32.89	21	67.0	11	38.93	38	64.3	16
31	6.46	17	50.4	2	31.76	16	5.6	3	32.68	22	68.1	8	38.55	40	65.9	11
April 10	6.29	18	50.6	— 1	31.60	16	5.9	4	32.46	22	68.9	6	38.15	41	67.0	6
20	6.11	17	50.5	4	31.44	15	6.3	5	32.24	21	69.5	3	37.74	40	67.6	1
30	5.94	15	50.1	8	31.29	13	6.8	5	32.03	20	69.8	0	37.34	39	67.7	— 5
Mai 10	5.79	13	49.3	10	31.16	11	7.3	5	31.83	16	69.8	3	36.95	36	67.2	10
20	5.66	10	48.3	12	31.05	9	7.8	5	31.67	13	69.5	6	36.59	33	66.2	15
30	5.56	7	47.1	14	30.96	6	8.3	6	31.54	9	68.9	8	36.26	29	64.7	19
Juni 9	5.49	4	45.7	16	30.90	2	8.9	6	31.45	5	68.1	10	35.97	23	62.8	23
19	5.45	1	44.1	17	30.88 —	1	9.5	6	31.40	0	67.1	11	35.74	18	60.5	26
29	5.44 —	2	42.4	18	30.89	4	10.1	6	31.40	5	66.0	13	35.56	12	57.9	29
Juli 9	5.46	5	40.6	19	30.93	7	10.7	5	31.45	9	64.7	14	35.44	6	55.0	31
19	[22] 5.51	10	38.7	20	[23] 31.00	12	11.2	5	[24] 31.54	14	63.3	17	[25] 35.38 —	1	51.9	35
29	5.61	12	36.7	18	31.12	13	11.7	4	31.68	18	61.6	16	35.39	9	48.4	32
Aug. 8	5.73	15	34.9	16	31.25	17	12.1	3	31.86	21	60.0	16	35.48	15	45.2	30
18	5.88	18	33.3	13	31.42	19	12.4	2	32.07	25	58.4	16	35.63	22	42.2	28
28	6.06	20	32.0	11	31.61	21	12.6	— 1	32.32	28	56.8	15	35.85	27	39.4	26
Sept. 7	6.26	23	30.9	8	31.82	23	12.5	2	32.60	32	55.3	16	36.12	34	36.8	21
17	6.49	25	30.1	4	32.05	26	12.3	5	32.92	34	53.7	15	36.46	39	34.7	15
27	6.74	28	29.7	— 1	32.31	28	11.8	6	33.26	37	52.2	14	36.85	43	33.2	10
Okt. 7	7.02	29	29.8	4	32.59	30	11.2	9	33.63	40	50.8	12	37.28	46	32.2	4
17	7.31	30	30.2	9	32.89	31	10.3	11	34.03	41	49.6	11	37.74	48	31.8	— 3
27	7.61	31	31.1	13	33.20	31	9.2	12	34.44	42	48.5	10	38.22	49	32.1	9
Nov. 6	7.92	32	32.4	17	33.51	32	8.0	13	34.86	42	47.5	7	38.71	48	33.0	16
16	8.24	30	34.1	20	33.83	31	6.7	14	35.28	41	46.8	4	39.19	45	34.6	22
26	8.54	28	36.1	22	34.14	30	5.3	14	35.69	40	46.4	1	39.64	41	36.8	26
Dez. 6	8.82	26	38.3	24	34.44	27	3.9	14	36.09	37	46.3	— 2	40.05	36	39.4	31
16	9.08	22	40.7	25	34.71	24	2.5	13	36.46	33	46.5	5	40.41	30	42.5	35
26	9.30	19	43.2	24	34.95	21	1.2	12	36.79	27	47.0	8	40.71	21	46.0	36
36	9.49		45.6		35.16		0.0		37.06		47.8		40.92		49.6	
Mittl. Ort	6.27		38.3		31.63		10.3		32.47		61.6		37.63		47.3	
	311)				312)				314)				315)			

1908	Br. 1197. $3^m.6$. AR.		Dekl. —		o Ursae maj. $3^m.3$. AR.		Dekl. +		ϑ Chamael. $4^m.2$. AR.		Dekl. —		Gr. 1450. $6^m.3$. AR.		Dekl. +	
	$8^h\ 21^m$		3° 36′		$8^h\ 22^m$		61° 1′		$8^h\ 23^m$		77° 11′		$8^h\ 26^m$		38° 19′	
Jan. 1	4.11	17	20.5	18	38.43	34	28.0	19	31.30	24	6.2	37	56.53	24	51.6	6
11	4.28	13	22.3	17	38.77	24	29.9	21	31.54	5	9.9	38	56.77	18	52.2	8
21	4.41	8	24.0	15	39.01	15	32.0	23	31.59	14	13.7	37	56.95	11	53.0	11
31	4.49	3	25.5	13	39.16	5	34.3	23	31.45	32	17.4	36	57.06	6	54.1	12
Febr. 10	4.52	2	26.8	11	39.21	4	36.6	24	31.13	49	21.0	34	57.12	1	55.3	13
20	4.50	7	27.9	8	39.17	14	39.0	23	30.64	65	24.4	31	57.11	6	56.6	13
März 1	4.43	10	28.7	6	39.03	21	41.3	21	29.99	77	27.5	28	57.05	11	57.9	13
11	4.33	13	29.3	3	38.82	28	43.4	18	29.22	86	30.3	23	56.94	16	59.2	12
21	4.20	15	29.6	1	38.54	32	45.2	14	28.36	94	32.6	19	56.78	18	60.4	11
31	4.05	15	29.7	0	38.22	35	46.6	10	27.42	101	34.5	14	56.60	20	61.5	9
April 10	3.90	17	29.7	2	37.87	36	47.6	6	26.41	104	35.9	9	56.40	20	62.4	6
20	3.73	15	29.5	5	37.51	35	48.2	2	25.37	103	36.8	3	56.20	20	63.0	4
30	3.58	14	29.0	6	37.16	33	48.4	3	24.34	101	37.1	2	56.00	18	63.4	2
Mai 10	3.44	12	28.4	7	36.83	29	48.1	7	23.33	98	36.9	7	55.82	15	63.6	1
20	3.32	9	27.7	9	36.54	23	47.4	10	22.35	91	36.2	12	55.67	12	63.5	4
30	3.23	6	26.8	10	36.31	18	46.4	14	21.44	82	35.0	17	55.55	9	63.1	5
Juni 9	3.17	4	25.8	11	36.13	12	45.0	17	20.62	71	33.3	21	55.46	5	62.6	7
19	3.13	1	24.7	12	36.01	5	43.3	20	19.91	58	31.2	25	55.41	1	61.9	9
29	3.12	2	23.5	12	35.96	2	41.3	21	19.33	45	28.7	28	55.40	4	61.0	10
Juli 9	3.14	6	22.3	13	35.98	8	39.2	23	18.88	30	25.9	31	55.44	7	60.0	12
19	[25] 3.20	9	21.0	13	[26] 36.06	18	36.9	27	[26] 18.58	13	22.8	35	[27] 55.51	13	58.8	14
29	3.29	12	19.7	11	36.24	22	34.2	25	18.45	4	19.3	33	55.64	15	57.4	13
Aug. 8	3.41	14	18.6	10	36.46	29	31.7	23	18.49	21	16.0	32	55.79	19	56.1	14
18	3.55	17	17.6	8	36.75	34	29.4	24	18.70	38	12.8	30	55.98	22	54.7	14
28	3.72	20	16.8	5	37.09	39	27.0	23	19.08	53	9.8	27	56.20	25	53.3	15
Sept. 7	3.92	22	16.3	3	37.48	44	24.7	21	19.61	68	7.1	24	56.45	29	51.8	15
17	4.14	25	16.0	0	37.92	49	22.6	19	20.29	80	4.7	18	56.74	31	50.3	14
27	4.39	27	16.0	3	38.41	53	20.7	17	21.09	90	2.9	13	57.05	34	48.9	14
Okt. 7	4.66	28	16.3	7	38.94	56	19.0	15	21.99	97	1.6	7	57.39	36	47.5	13
17	4.94	30	17.0	10	39.50	59	17.5	11	22.96	101	0.9	0	57.75	38	46.2	13
27	5.24	31	18.0	13	40.09	60	16.4	7	23.97	101	0.9	7	58.13	39	44.9	11
Nov. 6	5.55	31	19.3	16	40.69	60	15.7	3	24.98	98	1.6	13	58.52	40	43.8	9
16	5.86	31	20.9	17	41.29	59	15.4	0	25.96	90	2.9	19	58.92	39	42.9	7
26	6.17	29	22.6	19	41.88	56	15.4	4	26.86	80	4.8	25	59.31	37	42.2	4
Dez. 6	6.46	27	24.5	20	42.44	52	15.8	9	27.66	67	7.3	29	59.68	36	41.8	1
16	6.73	23	26.5	19	42.96	46	16.7	13	28.33	51	10.2	33	60.04	31	41.7	1
26	6.96	20	28.4	19	43.42	38	18.0	17	28.84	33	13.5	36	60.35	27	41.8	4
36	7.16		30.3		43.80		19.7		29.17		17.1		60.62		42.2	
Mittl. Ort	3.85		21.1		37.73		35.0		24.78		16.4		56.34		56.8	
	316)				317)				318)				320)			

1908	η Cancri. 5ᵐ.6. AR.		Dekl. +		δ Cancri. 3ᵐ.9. AR.		Dekl. +		α Pyxidis. 3ᵐ.7. AR.		Dekl. —		ι Cancri. 4ᵐ.1. AR.		Dekl. +	
	$8^h\ 27^m$		20° 45′		$8^h\ 39^m$		18° 29′		$8^h\ 39^m$		32° 51′		$8^h\ 41^m$		29° 5′	
	s		″		s		″		s		″		s		″	
Jan. 1	23.56	20	12.1	5	27.61	22	31.8	7	54.39	18	9.3	31	8.05	24	44.6	0
11	23.76	16	11.6	2	27.83	16	31.1	4	54.57	13	12.4	32	8.29	18	44.6	2
21	23.92	10	11.4	0	27.99	11	30.7	2	54.70	8	15.6	30	8.47	12	44.8	5
31	24.02	5	11.4	1	28.10	6	30.5	0	54.78	1	18.6	28	8.59	7	45.3	6
Febr. 10	24.07	0	11.5	3	28.16	1	30.5	2	54.79	— 3	21.4	26	8.66	1	45.9	8
20	24.07	5	11.8	5	28.17	— 4	30.7	3	54.76	9	24.0	23	8.67	— 4	46.7	9
März 1	24.02	9	12.3	6	28.13	8	31.0	5	54.67	13	26.3	19	8.63	9	47.6	10
11	23.93	13	12.9	5	28.05	12	31.5	5	54.54	16	28.2	16	8.54	12	48.6	9
21	23.80	15	13.4	6	27.93	14	32.0	6	54.38	18	29.8	11	8.42	15	49.5	9
31	23.65	16	14.0	6	27.79	15	32.6	5	54.20	20	30.9	8	8.27	17	50.4	8
April 10	23.49	17	14.6	5	27.64	16	33.1	6	54.00	21	31.7	3	8.10	18	51.2	7
20	23.32	16	15.1	5	27.48	15	33.7	5	53.79	21	32.0	0	7.92	17	51.9	5
30	23.16	14	15.6	4	27.33	14	34.2	4	53.58	20	32.0	5	7.75	16	52.4	4
Mai 10	23.02	12	16.0	3	27.19	13	34.6	4	53.38	18	31.5	9	7.59	13	52.8	2
20	22.90	10	16.3	2	27.06	10	35.0	3	53.20	15	30.6	12	7.46	11	53.0	0
30	22.80	7	16.5	2	26.96	7	35.3	3	53.05	13	29.4	15	7.35	9	53.0	1
Juni 9	22.73	3	16.7	1	26.89	4	35.6	1	52.92	10	27.9	19	7.26	5	52.9	2
19	22.70	0	16.8	0	26.85	2	35.7	1	52.82	7	26.0	21	7.21	1	52.7	4
29	22.70	3	16.8	1	26.83	— 2	35.8	1	52.75	3	23.9	23	7.20	— 2	52.3	6
Juli 9	22.73	7	16.7	1	26.85	5	35.9	— 1	52.72	0	21.6	24	7.22	6	51.7	6
19	22.80	11	16.6	3	26.90	9	35.8	1	52.72	4	19.2	25	7.28	9	51.1	7
29	[27] 22.91	13	16.3	3	[30] 26.99	12	35.7	2	[30] 52.76	8	16.7	27	[31] 7.37	13	50.4	10
Aug. 8	23.04	16	16.0	4	27.11	15	35.5	4	52.84	12	14.0	24	7.50	15	49.4	10
18	23.20	19	15.6	5	27.26	17	35.1	4	52.96	15	11.6	21	7.65	19	48.4	10
28	23.39	21	15.1	6	27.43	20	34.7	6	53.11	19	9.5	18	7.84	21	47.4	11
Sept. 7	23.60	24	14.5	8	27.63	22	34.1	8	53.30	22	7.7	15	8.05	25	46.3	12
17	23.84	26	13.7	9	27.85	26	33.3	9	53.52	25	6.2	11	8.30	27	45.1	13
27	24.10	29	12.8	10	28.11	28	32.4	10	53.77	28	5.1	5	8.57	30	43.8	13
Okt. 7	24.39	31	11.8	11	28.39	30	31.4	11	54.05	31	4.6	0	8.87	32	42.5	13
17	24.70	32	10.7	11	28.69	31	30.3	13	54.36	33	4.6	5	9.19	34	41.2	14
27	25.02	33	9.6	13	29.00	33	29.0	13	54.69	34	5.1	11	9.53	36	39.8	13
Nov. 6	25.35	34	8.3	12	29.33	34	27.7	14	55.03	34	6.2	16	9.89	36	38.5	12
16	25.69	34	7.1	12	29.67	34	26.3	13	55.37	34	7.8	20	10.25	36	37.3	11
26	26.03	32	5.9	11	30.01	32	25.0	13	55.71	32	9.8	25	10.61	36	36.2	9
Dez. 6	26.35	30	4.8	10	30.33	30	23.7	11	56.03	29	12.3	28	10.97	33	35.3	7
16	26.65	27	3.8	8	30.63	28	22.6	10	56.32	26	15.1	30	11.30	30	34.6	5
26	26.92	24	3.0	7	30.91	24	21.6	8	56.58	21	18.1	31	11.60	26	34.1	2
36	27.16		2.3		31.15		20.8		56.79		21.2		11.86		33.9	
Mittl. Ort	23.44		15.0		27.52		34.4		53.70		15.8		7.96		48.8	
	321)				326)				327)				328)			

1908	δ Argus. 2ᵐ.0. AR.		δ Argus. Dekl. —		ζ Hydrae. 3ᵐ.1. AR.		ζ Hydrae. Dekl. +		ι Ursae maj. 2ᵐ.9. AR.		ι Ursae maj. Dekl. +		c Carinae. 4ᵐ.0. AR.		c Carinae. Dekl. —	
	$8^h 42^m$		54° 22′		$8^h 50^m$		6° 17′		$8^h 52^m$		48° 23′		$8^h 52^m$		60° 17′	
	s		"		s		"		s		"		s		"	
Jan. 1	11.43	20	6.7	36	32.01	21	45.7	14	55.05	30	65.0	10	59.86	24	22.4	37
11	11.63	13	10.3	37	32.22	16	44.3	12	55.35	24	66.0	13	60.10	15	26.1	37
21	11.76	5	14.0	36	32.38	11	43.1	10	55.59	17	67.3	16	60.25	6	29.8	38
31	11.81	— 3	17.6	35	32.49	6	42.1	8	55.76	9	68.9	17	60.31	— 3	33.6	36
Febr. 10	11.78	10	21.1	33	32.55	2	41.3	6	55.85	2	70.6	19	60.28	11	37.2	35
20	11.68	16	24.4	30	32.57	— 3	40.7	3	55.87	— 4	72.5	19	60.17	19	40.7	32
März 1	11.52	22	27.4	27	32.54	7	40.4	2	55.83	11	74.4	18	59.98	25	43.9	29
11	11.30	26	30.1	22	32.47	11	40.2	0	55.72	17	76.2	17	59.73	31	46.8	25
21	11.04	30	32.3	18	32.36	13	40.2	2	55.55	20	77.9	15	59.42	35	49.3	20
31	10.74	33	34.1	13	32.23	14	40.4	3	55.35	22	79.4	12	59.07	38	51.3	15
April 10	10.41	34	35.4	8	32.09	15	40.7	4	55.13	24	80.6	9	58.69	40	52.8	10
20	10.07	34	36.2	3	31.94	15	41.1	5	54.89	24	81.5	5	58.29	41	53.8	6
30	9.73	32	36.5	— 3	31.79	14	41.6	5	54.65	23	82.0	2	57.88	40	54.4	0
Mai 10	9.41	31	36.2	7	31.65	12	42.1	5	54.42	21	82.2	— 1	57.48	38	54.4	5
20	9.10	29	35.5	12	31.53	10	42.6	6	54.21	17	82.1	4	57.10	36	53.9	11
30	8.81	25	34.3	16	31.43	8	43.2	7	54.04	14	81.7	8	56.74	32	52.8	15
Juni 9	8.56	21	32.7	21	31.35	5	43.9	7	53.90	10	80.9	10	56.42	28	51.3	19
19	8.35	16	30.6	24	31.30	2	44.6	7	53.80	5	79.9	13	56.14	24	49.4	23
29	8.19	12	28.2	27	31.28	— 1	45.3	6	53.75	0	78.6	15	55.90	18	47.1	27
Juli 9	8.07	7	25.5	29	31.29	3	45.9	7	53.75	4	77.1	17	55.72	11	44.4	29
19	8.00	1	22.6	30	31.32	6	46.6	6	53.79	8	75.4	18	55.61	5	41.5	31
29	7.99	— 6	19.6	34	31.38	11	47.2	4	53.87	14	73.6	22	55.56	— 2	38.4	34
Aug. 8	[31] 8.05	11	16.2	30	[2] 31.49	12	47.6	4	[3] 54.01	18	71.4	20	[3] 55.58	9	35.0	31
18	8.16	17	13.2	28	31.61	15	48.0	2	54.19	22	69.4	20	55.67	17	31.9	29
28	8.33	22	10.4	25	31.76	18	48.2	0	54.41	26	67.4	21	55.84	23	29.0	27
Sept. 7	8.55	28	7.9	21	31.94	21	48.2	2	54.67	30	65.3	20	56.07	30	26.3	24
17	8.83	33	5.8	17	32.15	23	48.0	5	54.97	33	63.3	20	56.37	36	23.9	19
27	9.16	37	4.1	11	32.38	26	47.5	7	55.30	37	61.3	19	56.73	42	22.0	13
Okt. 7	9.53	41	3.0	5	32.64	28	46.8	9	55.67	41	59.4	18	57.15	46	20.7	8
17	9.94	43	2.5	— 1	32.92	29	45.9	12	56.08	43	57.6	15	57.61	48	19.9	1
27	10.37	44	2.6	7	33.21	32	44.7	14	56.51	44	56.1	13	58.09	50	19.8	— 6
Nov. 6	10.81	45	3.3	15	33.53	31	43.3	15	56.95	46	54.8	11	58.59	51	20.4	12
16	11.26	43	4.8	20	33.84	32	41.8	16	57.41	46	53.7	7	59.10	49	21.6	18
26	11.69	40	6.8	25	34.16	32	40.2	17	57.87	44	53.0	4	59.59	47	23.4	24
Dez. 6	12.09	36	9.3	29	34.48	30	38.5	17	58.31	42	52.6	0	60.06	40	25.8	29
16	12.45	30	12.2	33	34.78	27	36.8	16	58.73	39	52.6	4	60.46	35	28.7	32
26	12.75	24	15.5	36	35.05	23	35.2	15	59.12	33	53.0	9	60.81	28	31.9	36
36	12.99		19.1		35.28		33.7		59.45		53.9		61.09		35.5	
Mittl. Ort	9.80		16.5		31.90		46.0		54.84		72.0		57.81		34.0	
	330)				334)				335)				336)			

1908	α Cancri. 4m.1. AR.		Dekl. +		10 Ursae maj. 3m.9. AR.		Dekl. +		κ Ursae maj. 3m.3. AR.		Dekl. +		α Volantis. 4m.1. AR.		Dekl. −	
	8h 53m		12° 12'		8h 54m		42° 8'		8h 57m		47° 30'		9h 0m		66° 1'	
Jan. 1	27.49	22	50.1	11	40.45	29	44.7	6	21.14	31	68.1	9	62.48	28	30.5	36
11	27.71	17	49.0	9	40.74	22	45.3	9	21.45	24	69.0	12	62.76	18	34.1	38
21	27.88	13	48.1	6	40.96	16	46.2	12	21.69	18	70.2	15	62.94	7 —	37.9	38
31	28.01	7	47.5	4	41.12	9	47.4	14	21.87	10	71.7	17	63.01	4	41.7	38
Febr. 10	28.08	2 —	47.1	2	41.21	3 —	48.8	16	21.97	3 —	73.4	18	62.97	14	45.5	36
20	28.10	3	46.9	0	41.24	4	50.4	16	22.00	4	75.2	18	62.83	22	49.1	33
März 1	28.07	7	46.9	1	41.20	10	52.0	15	21.96	10	77.0	18	62.61	30	52.4	30
11	28.00	10	47.0	3	41.10	13	53.5	15	21.86	15	78.8	17	62.31	38	55.4	27
21	27.90	13	47.3	4	40.97	18	55.0	13	21.71	19	80.5	15	61.93	43	58.1	23
31	27.77	14	47.7	4	40.79	20	56.3	11	21.52	22	82.0	12	61.50	47	60.4	18
April 10	27.63	15	48.1	5	40.59	20	57.4	9	21.30	23	83.2	10	61.03	50	62.2	13
20	27.48	15	48.6	5	40.39	21	58.3	6	21.07	24	84.2	7	60.53	50	63.5	7
30	27.33	14	49.1	5	40.18	20	58.9	4	20.83	22	84.9	3 —	60.03	51	64.2	2 —
Mai 10	27.19	13	49.6	5	39.98	18	59.3	0	20.61	20	85.2	1	59.52	49	64.4	3
20	27.06	10	50.1	5	39.80	15	59.3	3	20.41	17	85.1	4	59.03	46	64.1	9
30	26.96	8	50.6	5	39.65	12	59.0	5	20.24	14	84.7	7	58.57	43	63.2	13
Juni 9	26.88	5	51.1	4	39.53	8	58.5	7	20.10	10	84.0	9	58.14	38	61.9	18
19	26.83	2 —	51.5	4	39.45	4	57.8	10	20.00	5	83.1	12	57.76	32	60.1	22
29	26.81	1	51.9	4	39.41	0	56.8	12	19.95	1 —	81.9	15	57.44	26	57.9	26
Juli 9	26.82	4	52.3	3	39.41	4	55.6	14	19.94	3	80.4	16	57.18	18	55.3	29
19	26.86	6	52.6	2	39.45	8	54.2	15	19.97	8	78.8	18	57.00	10	52.4	31
29	26.92	10	52.8	2 —	39.53	13	52.7	18	20.05	13	77.0	21	56.90	2 —	49.3	34
Aug. 8	[2] 27.02	12	53.0	1	[3] 39.66	16	50.9	17	[4] 20.18	17	74.9	20	[5] 56.88	7	45.9	32
18	27.14	16	52.9	2	39.82	19	49.2	18	20.35	21	72.9	20	56.95	16	42.7	30
28	27.30	18	52.7	3	40.01	24	47.4	18	20.56	25	70.9	21	57.11	25	39.7	29
Sept. 7	27.48	21	52.4	4	40.25	27	45.6	18	20.81	29	68.8	21	57.36	34	36.8	25
17	27.69	24	52.0	7	40.52	30	43.8	19	21.10	33	66.7	20	57.70	41	34.3	21
27	27.93	26	51.3	9	40.82	33	41.9	18	21.43	36	64.7	19	58.11	48	32.2	15
Okt. 7	28.19	28	50.4	11	41.15	37	40.1	17	21.79	40	62.8	18	58.59	53	30.7	9
17	28.47	30	49.3	13	41.52	39	38.4	15	22.19	42	61.0	15	59.12	58	29.8	3 —
27	28.77	32	48.0	14	41.91	40	36.9	14	22.61	44	59.5	14	59.70	59	29.5	4
Nov. 6	29.09	33	46.6	15	42.31	42	35.5	11	23.05	45	58.1	11	60.29	60	29.9	10
16	29.42	33	45.1	15	42.73	42	34.4	9	23.50	46	57.0	8	60.89	58	30.9	17
26	29.75	32	43.6	15	43.15	41	33.5	6	23.96	44	56.2	4	61.47	55	32.6	22
Dez. 6	30.07	30	42.1	15	43.56	38	32.9	3 —	24.40	42	55.8	1 —	62.02	49	34.8	28
16	30.37	28	40.6	13	43.94	35	32.6	1	24.82	38	55.7	3	62.51	41	37.6	32
26	30.65	25	39.3	12	44.29	32	32.7	5	25.20	34	56.0	7	62.92	33	40.8	35
36	30.90		38.1		44.61		33.2		25.54		56.7		63.25		44.3	
Mittl. Ort	27.43		51.4		40.33		50.9		20.97		75.1		59.79		43.5	
	337)				339)				341)				343)			

1908	3² Ursae maj. 4m.9. AR.		Dekl. +		λ Argus. 2m.1. AR.		Dekl. —		ϑ Hydrae. 3m.9. AR.		Dekl. +		β Argus. 1m.7. AR.		Dekl. —	
	9h 2m		67° 30'		9h 4m		43° 3'		9h 9m		2° 41'		9h 12m		69° 20'	
Jan. 1	19.48	49	22.3	18	37.54	22	28.9	34	34.79	22	70.9	17	14.79	33	2.9	36
11	19.97	38	24.1	22	37.76	16	32.3	34	35.01	18	69.2	14	15.12	21	6.5	37
21	20.35	27	26.3	25	37.92	10	35.7	34	35.19	13	67.8	13	15.33	10	10.2	38
31	20.62	15	28.8	26	38.02	3	39.1	33	35.32	8	66.5	11	15.43	— 2	14.0	38
Febr. 10	20.77	2	31.4	26	38.05	— 3	42.4	31	35.40	3	65.4	8	15.41	14	17.8	37
20	20.79	— 9	34.0	27	38.02	8	45.5	28	35.43	— 1	64.6	6	15.27	24	21.5	35
März 1	20.70	20	36.7	25	37.94	13	48.3	25	35.42	6	64.0	3	15.03	34	25.0	32
11	20.50	29	39.2	22	37.81	17	50.8	21	35.36	9	63.7	2	14.69	41	28.2	28
21	20.21	36	41.4	19	37.64	20	52.9	17	35.27	12	63.5	0	14.28	48	31.0	24
31	19.85	42	43.3	15	37.44	23	54.6	13	35.15	13	63.5	2	13.80	54	33.4	20
April 10	19.43	45	44.8	11	37.21	24	55.9	8	35.02	14	63.7	3	13.26	56	35.4	15
20	18.98	46	45.9	6	36.97	24	56.7	4	34.88	15	64.0	4	12.70	59	36.9	9
30	18.52	44	46.5	1	36.73	24	57.1	— 1	34.73	14	64.4	5	12.11	59	37.8	4
Mai 10	18.08	41	46.6	— 4	36.49	23	57.0	6	34.59	12	64.9	6	11.52	58	38.2	— 1
20	17.67	37	46.2	9	36.26	21	56.4	10	34.47	10	65.5	6	10.94	55	38.1	6
30	17.30	32	45.3	13	36.05	18	55.4	14	34.37	9	66.1	7	10.39	52	37.5	11
Juni 9	16.98	25	44.0	17	35.87	15	54.0	18	34.28	6	66.8	8	9.87	47	36.4	17
19	16.73	17	42.3	20	35.72	12	52.2	21	34.22	4	67.6	8	9.40	41	34.7	21
29	16.56	8	40.3	23	35.60	9	50.1	23	34.18	1	68.4	8	8.99	34	32.6	24
Juli 9	16.48	1	38.0	25	35.51	5	47.8	25	34.17	— 2	69.2	7	8.65	25	30.2	28
19	16.47	— 7	35.5	27	35.46	1	45.3	28	34.19	4	69.9	7	8.40	16	27.4	30
29	16.54	17	32.8	32	35.45	— 4	42.5	30	34.23	8	70.6	7	8.24	7	24.4	32
Aug. 8	[5] 16.71	24	29.6	29	[6] 35.49	8	39.5	27	[7] 34.31	11	71.3	5	8.17	— 4	21.2	35
18	16.95	33	26.7	28	35.57	13	36.8	25	34.42	13	71.8	4	[8] 8.21	15	17.7	31
28	17.28	40	23.9	28	35.70	17	34.3	23	34.55	16	72.2	1	8.36	25	14.6	29
Sept. 7	17.68	47	21.1	27	35.87	22	32.0	20	34.71	19	72.3	— 1	8.61	35	11.7	26
17	18.15	53	18.4	25	36.09	26	30.0	15	34.90	21	72.2	4	8.96	44	9.1	22
27	18.68	60	15.9	23	36.35	29	28.5	10	35.11	25	71.8	6	9.40	52	6.9	17
Okt. 7	19.28	65	13.6	20	36.64	33	27.5	4	35.36	26	71.2	9	9.92	59	5.2	12
17	19.93	69	11.6	16	36.97	36	27.1	— 1	35.62	29	70.3	11	10.51	64	4.0	5
27	20.62	71	10.0	12	37.33	37	27.2	7	35.91	31	69.2	14	11.15	67	3.5	— 2
Nov. 6	21.33	74	8.8	8	37.70	38	27.9	13	36.22	32	67.8	16	11.82	68	3.7	8
16	22.07	74	8.0	4	38.08	38	29.2	19	36.54	32	66.2	18	12.50	66	4.5	15
26	22.81	72	7.6	— 1	38.46	36	31.1	24	36.86	32	64.4	18	13.16	63	6.0	20
Dez. 6	23.53	68	7.7	6	38.82	33	33.5	28	37.18	31	62.6	19	13.79	56	8.0	27
16	24.21	62	8.3	11	39.15	30	36.3	31	37.49	28	60.7	18	14.35	48	10.7	31
26	24.83	55	9.4	16	39.45	25	39.4	33	37.77	24	58.9	17	14.83	39	13.8	34
36	25.38		11.0		39.70		42.7		38.01		57.2		15.22		17.2	
Mittl. Ort	18.65		31.3		36.64		38.9		34.73		70.0		11.64		17.3	
	344)				345)				347)				348)			

1908	83 Cancri. 6m.7. AR.		Dekl. +		40 Lyncis. 3m.2. AR.		Dekl. +		κ Argus. 2m.5. AR.		Dekl. —		α Hydrae. 2m.0. AR.		Dekl. —	
	9h 13m		18° 5′		9h 15m		34° 46′		9h 19m		54° 37′		9h 23m		8° 15′	
Jan. 1	50.90	24	42.5	9	27.21	28	49.6	1	17.20	26	49.8	37	4.11	23	30.3	22
11	51.14	20	41.6	6	27.49	23	49.7	4	17.46	19	53.5	36	4.34	18	32.5	21
21	51.34	15	41.0	3	27.72	17	50.1	7	17.65	12	57.1	36	4.52	14	34.6	19
31	51.49	9	40.7	1	27.89	11	50.8	9	17.77	4	60.7	36	4.66	9	36.5	17
Febr. 10	51.58	4	40.6	1	28.00	5	51.7	11	17.81	3	64.3	35	4.75	4	38.2	15
20	51.62	1	40.7	3	28.05	1	52.8	13	17.78	10	67.8	32	4.79	1	39.7	13
März 1	51.61	5	41.0	5	28.04	6	54.1	13	17.68	16	71.0	30	4.78	5	41.0	10
11	51.56	8	41.5	6	27.98	10	55.4	13	17.52	22	74.0	26	4.73	9	42.0	7
21	51.48	12	42.1	6	27.88	14	56.7	13	17.30	26	76.6	22	4.64	11	42.7	5
31	51.36	14	42.7	6	27.74	16	58.0	11	17.04	29	78.8	17	4.53	13	43.2	2
April 10	51.22	14	43.3	7	27.58	18	59.1	9	16.75	31	80.5	13	4.40	14	43.4	0
20	51.08	15	44.0	6	27.40	17	60.0	8	16.44	32	81.8	8	4.26	15	43.4	2
30	50.93	15	44.6	5	27.23	17	60.8	6	16.12	32	82.6	2	4.11	14	43.2	4
Mai 10	50.78	13	45.1	5	27.06	16	61.4	3	15.80	31	82.8	3	3.97	13	42.8	6
20	50.65	11	45.6	4	26.90	14	61.7	0	15.49	30	82.5	7	3.84	12	42.2	8
30	50.54	9	46.0	4	26.76	11	61.7	1	15.19	27	81.8	12	3.72	9	41.4	9
Juni 9	50.45	6	46.4	2	26.65	9	61.6	4	14.92	24	80.6	16	3.63	8	40.5	11
19	50.39	4	46.6	1	26.56	5	61.2	6	14.68	20	79.0	21	3.55	5	39.4	12
29	50.35	1	46.7	1	26.51	1	60.6	8	14.48	16	76.9	24	3.50	3	38.2	12
Juli 9	50.34	2	46.8	1	26.50	2	59.8	9	14.32	12	74.5	26	3.47	0	37.0	12
19	50.36	5	46.7	1	26.52	5	58.9	11	14.20	7	71.9	29	3.47	2	35.8	13
29	50.41	8	46.6	3	26.57	8	57.8	13	14.13	1	69.0	30	3.49	5	34.5	12
Aug. 8	50.49	12	46.3	4	26.65	13	56.5	15	14.12	6	66.0	32	3.54	9	33.3	12
18	[8] 50.61	14	45.9	6	[8] 26.78	16	55.0	15	[9] 14.18	11	62.8	29	[10] 3.63	11	32.1	9
28	50.75	16	45.3	7	26.94	19	53.5	16	14.29	17	59.9	27	3.74	15	31.2	7
Sept. 7	50.91	20	44.6	9	27.13	23	51.9	17	14.46	23	57.2	23	3.89	17	30.5	5
17	51.11	23	43.7	11	27.36	26	50.2	17	14.69	29	54.9	19	4.06	20	30.0	2
27	51.34	25	42.6	12	27.62	29	48.5	17	14.98	34	53.0	15	4.26	23	29.8	2
Okt. 7	51.59	28	41.4	13	27.91	32	46.8	17	15.32	38	51.5	9	4.49	26	30.0	6
17	51.87	30	40.1	14	28.23	34	45.1	17	15.70	42	50.6	3	4.75	28	30.6	9
27	52.17	32	38.7	15	28.57	37	43.4	16	16.12	44	50.3	4	5.03	31	31.5	12
Nov. 6	52.49	34	37.2	16	28.94	38	41.8	15	16.56	45	50.7	10	5.34	32	32.7	15
16	52.83	34	35.6	15	29.32	38	40.3	13	17.01	46	51.7	16	5.66	32	34.2	18
26	53.17	34	34.1	15	29.70	38	39.0	10	17.47	43	53.3	22	5.98	32	36.0	21
Dez. 6	53.51	32	32.6	14	30.08	37	38.0	7	17.90	40	55.5	27	6.30	30	38.1	22
16	53.83	30	31.2	12	30.45	34	37.3	5	18.30	36	58.2	31	6.60	28	40.3	22
26	54.13	27	30.0	9	30.79	31	36.8	1	18.66	30	61.3	34	6.88	25	42.5	23
36	54.40		29.1		31.10		36.7		18.96		64.7		7.13		44.8	
Mittl. Ort	50.92		44.8		27.22		55.1		15.82		3.0		4.02		34.1	
	350)				352)				353)				354)			

1908	*h* Ursae maj. 3m.5. AR.		Dekl. +		*d* Ursae maj. 4m.5. AR.		Dekl. +		ϑ Ursae maj. 3m.1. AR.		Dekl. +		ψ Argus. 3m.6. AR.		Dekl. −	
	9h 24m		63° 27′		9h 26m		70° 13′		9h 26m		52° 5′		9h 27m		40° 3′	
Jan. 1	17.65	47	43.3	14	22.66	60	57.1	17	42.73	37	41.0	9	5.19	24	37.8	33
11	18.12	38	44.7	18	23.26	48	58.8	21	43.10	30	41.9	12	5.43	19	41.1	33
21	18.50	29	46.5	22	23.74	36	60.9	24	43.40	22	43.1	16	5.62	13	44.4	34
31	18.79	18	48.7	24	24.10	22	63.3	27	43.62	15	44.7	19	5.75	7	47.8	33
Febr. 10	18.97	7	51.1	25	24.32	9	66.0	28	43.77	7	46.6	20	5.82	1	51.1	30
20	19.04	—2	53.6	26	24.41	—5	68.8	28	43.84	—1	48.6	21	5.83	—5	54.1	28
März 1	19.02	12	56.2	25	24.36	17	71.6	27	43.83	7	50.7	21	5.78	9	56.9	25
11	18.90	21	58.7	23	24.19	28	74.3	25	43.76	14	52.8	20	5.69	14	59.4	22
21	18.69	27	61.0	21	23.91	37	76.8	22	43.62	19	54.8	18	5.55	17	61.6	18
31	18.42	32	63.1	17	23.54	45	79.0	18	43.43	22	56.6	16	5.38	19	63.4	14
April 10	18.10	36	64.8	13	23.09	49	80.8	13	43.21	25	58.2	12	5.19	21	64.8	9
20	17.74	37	66.1	9	22.60	51	82.1	9	42.96	26	59.4	9	4.98	21	65.7	5
30	17.37	38	67.0	4	22.09	52	83.0	4	42.70	25	60.3	5	4.76	22	66.2	1
Mai 10	16.99	35	67.4	—1	21.57	49	83.4	—2	42.45	24	60.8	1	4.54	21	66.3	—3
20	16.64	32	67.3	5	21.08	46	83.2	7	42.21	21	60.9	—2	4.33	19	66.0	7
30	16.32	28	66.8	10	20.62	40	82.5	11	42.00	19	60.7	6	4.14	18	65.3	12
Juni 9	16.04	23	65.8	14	20.22	34	81.4	16	41.81	15	60.1	10	3.96	16	64.1	16
19	15.81	17	64.4	17	19.88	26	79.8	20	41.66	10	59.1	13	3.80	13	62.5	18
29	15.64	11	62.7	20	19.62	17	77.8	22	41.56	6	57.8	16	3.67	9	60.7	21
Juli 9	15.53	4	60.7	23	19.45	9	75.6	26	41.50	2	56.2	18	3.58	6	58.6	24
19	15.49	—3	58.4	26	19.36	—1	73.0	28	41.48	—3	54.4	20	3.52	3	56.2	25
29	15.52	9	55.8	27	19.37	10	70.2	30	41.51	8	52.4	22	3.49	—1	53.7	26
Aug. 8	15.61	18	53.1	30	19.47	21	67.2	33	41.59	15	50.2	26	3.50	6	51.1	28
18	[11]15.79	24	50.1	29	[11]19.68	28	63.9	31	[11]41.74	17	47.6	24	[12]3.56	10	48.3	25
28	16.03	30	47.2	28	19.96	37	60.8	31	41.91	22	45.2	24	3.66	15	45.8	22
Sept. 7	16.33	36	44.4	28	20.33	46	57.7	29	42.13	27	42.8	25	3.81	18	43.6	19
17	16.69	43	41.6	27	20.79	54	54.8	28	42.40	32	40.3	24	3.99	23	41.7	15
27	17.12	48	38.9	25	21.33	61	52.0	26	42.72	36	37.9	23	4.22	27	40.2	11
Okt. 7	17.60	53	36.4	22	21.94	68	49.4	24	43.08	39	35.6	22	4.49	31	39.1	6
17	18.13	58	34.2	20	22.62	74	47.0	20	43.47	43	33.4	20	4.80	33	38.5	—1
27	18.71	61	32.2	16	23.36	79	45.0	16	43.90	47	31.4	17	5.13	35	38.6	6
Nov. 6	19.32	64	30.6	12	24.15	81	43.4	11	44.37	48	29.7	14	5.48	37	39.2	12
16	19.96	65	29.4	8	24.96	82	42.3	6	44.85	49	28.3	11	5.85	38	40.4	17
26	20.61	64	28.6	3	25.78	81	41.7	2	45.34	48	27.2	7	6.23	37	42.1	22
Dez. 6	21.25	61	28.3	—2	26.59	79	41.5	—4	45.82	47	26.5	2	6.60	34	44.3	26
16	21.86	57	28.5	7	27.38	72	41.9	9	46.29	44	26.3	—2	6.94	31	46.9	29
26	22.43	51	29.2	12	28.10	65	42.8	15	46.73	41	26.5	6	7.25	27	49.8	32
36	22.94		30.4		28.75		44.3		47.14		27.1		7.52		53.0	
Mittl. Ort	17.20		52.7		21.83		67.1		42.62		49.3		4.52		49.0	
	355)				357)				358)				359)			

1908	10 Leon. min. 4ᵐ.6 AR.		Dekl. +		ϑ Antliae. 5ᵐ.0 AR.		Dekl. −	
	9ʰ 28ᵐ		36° 48′		9ʰ 40ᵐ		27° 20′	
Jan. 1	35.42	30	17.2	0	6.28	25	43.6	29
11	35.72	25	17.2	5	6.53	19	46.5	29
21	35.97	19	17.7	8	6.72	15	49.4	29
31	36.16	12	18.5	10	6.87	10	52.3	27
Febr. 10	36.28	7	19.5	12	6.97	4	55.0	26
20	36.35	1	20.7	13	7.01	—1	57.6	23
März 1	36.36	—5	22.0	15	7.00	5	59.9	20
11	36.31	9	23.5	15	6.95	9	61.9	17
21	36.22	13	25.0	13	6.86	13	63.6	14
31	36.09	16	26.3	13	6.73	15	65.0	11
April 10	35.93	17	27.6	11	6.58	15	66.1	7
20	35.76	18	28.7	9	6.43	17	66.8	3
30	35.58	18	29.6	6	6.26	17	67.1	0
Mai 10	35.40	17	30.2	4	6.09	16	67.1	4
20	35.23	14	30.6	1	5.93	15	66.7	7
30	35.09	12	30.7	—2	5.78	14	66.0	11
Juni 9	34.97	10	30.5	4	5.64	12	64.9	13
19	34.87	7	30.1	6	5.52	9	63.6	15
29	34.80	3	29.5	8	5.43	7	62.1	18
Juli 9	34.77	—1	28.7	11	5.36	5	60.3	19
19	34.78	4	27.6	12	5.31	1	58.4	21
29	34.82	7	26.4	14	5.30	—2	56.3	20
Aug. 8	34.89	11	25.0	17	5.32	6	54.3	22
18	35.00	15	23.3	17	5.38	9	52.1	19
28	35.15	18	21.6	18	5.47	12	50.2	17
Sept. 7	35.33	22	19.8	18	5.59	16	48.5	14
17	35.55	25	18.0	19	5.75	20	47.1	11
27	35.80	28	16.1	18	5.95	23	46.0	6
Okt. 7	36.08	32	14.3	19	6.18	27	45.4	2
17	36.40	34	12.4	19	6.45	29	45.2	—3
27	36.74	37	10.5	17	6.74	32	45.5	7
Nov. 6	37.11	39	8.8	16	7.06	34	46.2	13
16	37.50	40	7.2	13	7.40	34	47.5	18
26	37.90	39	5.9	11	7.74	34	49.3	21
Dez. 6	38.29	38	4.8	8	8.08	33	51.4	25
16	38.67	36	4.0	5	8.41	30	53.9	27
26	39.03	32	3.5	1	8.71	26	56.6	29
36	39.35		3.4		8.97		59.5	
Mittl. Ort	35.47		23.2		6.00		52.7	
	360)				366)			

1908	ε Leonis. 3ᵐ.0 AR.		Dekl. +		υ Ursae maj. 3ᵐ.8 AR.		Dekl. +	
	9ʰ 40ᵐ		24° 11′		9ʰ 44ᵐ		59° 27′	
Jan. 1	37.76	28	50.0	7	27.56	44	69.2	10
11	38.04	23	49.3	3	28.00	38	70.2	14
21	38.27	18	49.0	1	28.38	29	71.6	19
31	38.45	13	48.9	—2	28.67	20	73.5	22
Febr. 10	38.58	7	49.1	4	28.87	11	75.7	23
20	38.65	2	49.5	7	28.98	2	78.0	24
März 1	38.67	—2	50.2	9	29.00	—7	80.4	25
11	38.65	7	51.1	9	28.93	14	82.9	24
21	38.58	10	52.0	9	28.79	21	85.3	21
31	38.48	13	52.9	9	28.58	26	87.4	18
April 10	38.35	14	53.8	9	28.32	29	89.2	15
20	38.21	15	54.7	8	28.03	31	90.7	11
30	38.06	15	55.5	7	27.72	32	91.8	7
Mai 10	37.91	14	56.2	6	27.40	31	92.5	2
20	37.77	12	56.8	4	27.09	28	92.7	—3
30	37.65	10	57.2	2	26.81	25	92.4	7
Juni 9	37.55	8	57.4	1	26.56	22	91.7	10
19	37.47	6	57.5	0	26.34	17	90.7	14
29	37.41	3	57.5	3	26.17	11	89.3	18
Juli 9	37.38	0	57.2	4	26.06	6	87.5	21
19	37.38	2	56.8	5	26.00	1	85.4	23
29	37.40	5	56.3	7	25.99	—5	83.1	25
Aug. 8	37.45	9	55.6	9	26.04	12	80.6	30
18	37.54	12	54.7	10	26.16	17	77.6	27
28	37.66	14	53.7	11	26.33	23	74.9	29
Sept. 7	37.80	18	52.6	13	26.56	29	72.0	28
17	37.98	21	51.3	14	26.85	34	69.2	28
27	38.19	25	49.9	16	27.19	40	66.4	26
Okt. 7	38.44	27	48.3	17	27.59	45	63.8	25
17	38.71	30	46.6	17	28.04	49	61.3	22
27	39.01	33	44.9	17	28.53	53	59.1	19
Nov. 6	39.34	34	43.2	17	29.06	56	57.2	16
16	39.68	36	41.5	17	29.62	57	55.6	12
26	40.04	35	39.8	15	30.19	57	54.4	6
Dez. 6	40.39	35	38.3	13	30.76	57	53.8	2
16	40.74	33	37.0	11	31.33	53	53.6	—2
26	41.07	30	35.9	9	31.86	48	53.8	8
36	41.37		35.0		32.34		54.6	
Mittl. Ort	37.90		53.5		27.38		78.8	
	367)				368)			

1908	υ Argus. 3m.0. AR.		Dekl. −		6 Sextantis. 6m.2. AR.		Dekl. −		Gr. 1586. 6m.3. AR.		Dekl. +		π Leonis. 4m.9. AR.		Dekl. +	
	9h 44m		64° 38′		9h 46m		3° 48′		9h 50m		73° 18′		9h 55m		8° 28′	
Jan. 1	50.17	37	25.4	34	35.86	24	39.4	21	11.55	74	51.8	16	21.02	26	69.7	15
11	50.54	27	28.8	36	36.10	21	41.5	19	12.29	61	53.4	20	21.28	23	68.2	13
21	50.81	18	32.4	38	36.31	17	43.4	17	12.90	48	55.4	24	21.51	18	66.9	11
31	50.99	8	36.2	39	36.48	11	45.1	15	13.38	33	57.8	26	21.69	13	65.8	8
Febr. 10	51.07	— 1	40.1	37	36.59	6	46.6	13	13.71	17	60.4	29	21.82	8	65.0	5
20	51.06	10	43.8	36	36.65	2	47.9	11	13.88	1	63.3	29	21.90	3	64.5	3
März 1	50.96	19	47.4	34	36.67	— 3	49.0	8	13.89	— 14	66.2	29	21.93	— 1	64.2	1
11	50.77	26	50.8	30	36.64	6	49.8	5	13.75	27	69.1	27	21.92	5	64.1	— 1
21	50.51	33	53.8	27	36.58	9	50.3	3	13.48	39	71.8	24	21.87	8	64.2	3
31	50.18	38	56.5	23	36.49	11	50.6	1	13.09	49	74.2	20	21.79	11	64.5	4
April 10	49.80	41	58.8	18	36.38	13	50.7	0	12.60	55	76.2	16	21.68	12	64.9	5
20	49.39	43	60.6	13	36.25	13	50.7	3	12.05	60	77.8	12	21.56	13	65.4	5
30	48.96	45	61.9	8	36.12	13	50.4	4	11.45	61	79.0	6	21.43	13	65.9	6
Mai 10	48 51	45	62.7	3	35.99	13	50.0	5	10.84	61	79.6	0	21.30	12	66.5	6
20	48.06	44	63.0	— 3	35.86	11	49.5	7	10.23	57	79.6	5	21.18	12	67.1	6
30	47.62	42	62.7	8	35.75	10	48.8	8	9.66	53	79.1	10	21.06	10	67.7	6
Juni 9	47.20	39	61.9	13	35.65	9	48.0	9	9.13	47	78.1	14	20.96	8	68.3	6
19	46.81	35	60.6	17	35.56	6	47.1	9	8.66	38	76.7	18	20.88	6	68.9	5
29	46.46	30	58.9	21	35.50	4	46.2	10	8.28	29	74.9	22	20.82	4	69.4	5
Juli 9	46.16	24	56.8	25	35.46	2	45.2	10	7.99	19	72.7	26	20.78	2	69.9	4
19	45.92	17	54.3	28	35.44	— 1	44.2	10	7.80	8	70.1	29	20.76	— 1	70.3	3
29	45.75	10	51.5	30	35.45	4	43.2	9	7.72	— 2	67.2	30	20.77	3	70.6	2
Aug. 8	45.65	3	48.5	34	35.49	7	42.3	9	7.74	12	64.2	32	20.80	6	70.8	1
18	[16] 45.62	— 6	45.1	31	[17] 35.56	9	41.4	6	7.86	26	61.0	36	20.86	10	70.9	— 1
28	45.68	16	42.0	29	35.65	12	40.8	4	[18] 8.12	34	57.4	33	[19] 20.96	12	70.8	3
Sept. 7	45.84	24	39.1	27	35.77	15	40.4	2	8.46	45	54.1	32	21.08	15	70.5	5
17	46.08	32	36.4	23	35.92	18	40.2	— 1	8.91	55	50.9	31	21.23	18	70.0	7
27	46.40	40	34.1	19	36.10	22	40.3	3	9.46	64	47.8	29	21.41	21	69.3	9
Okt. 7	46.80	46	32.2	14	36.32	25	40.6	7	10.10	73	44.9	26	21.62	24	68.4	12
17	47.26	52	30.8	8	36.57	27	41.3	10	10.83	81	42.3	23	21.86	27	67.2	14
27	47.78	56	30.0	1	36.84	29	42.3	13	11.64	87	40.0	19	22.13	30	65.8	16
Nov. 6	48.34	58	29.9	— 5	37.13	32	43.6	16	12.51	92	38.1	15	22.43	32	64.2	18
16	48.92	58	30.4	11	37.45	32	45.2	18	13.43	94	36.6	9	22.75	33	62.4	18
26	49.50	57	31.5	18	37.77	33	47.0	20	14.37	95	35.7	4	23.08	33	60.6	18
Dez. 6	50.07	53	33.3	23	38.10	31	49.0	21	15.32	92	35.3	— 1	23.41	33	58.8	18
16	50.60	48	35.6	29	38.41	30	51.1	21	16.24	87	35.4	7	23.74	31	57.0	18
26	51.08	41	38.5	33	38.71	27	53.2	21	17.11	79	36.1	12	24.05	28	55.2	17
36	51.49		41.8		38.98		55.3		17.90		37.3		24.33		53.5	
Mittl. Ort	48.16		42.0		35.90		42.9		10.67		62.8		21.18		69.3	
	369)				370)				372)				378)			

1908	η Leonis. 3m.4. AR.		η Leonis. Dekl. +		α Leonis. 1m.3. AR.		α Leonis. Dekl. +		λ Hydrae. 3m.7. AR.		λ Hydrae. Dekl. −		q Velorum. 3m.9. AR.		q Velorum. Dekl. −	
	10h 2m		17° 12′		10h 3m		12° 24′		10h 6m		11° 53′		10h 10m		41° 39′	
Jan. 1	18.90	28	39.9	11	28.23	27	61.0	13	6.12	26	50.4	24	52.71	30	42.8	31
11	19.18	24	38.8	9	28.50	23	59.7	11	6.38	22	52.8	23	53.01	24	45.9	33
21	19.42	19	37.9	6	28.73	19	58.6	9	6.60	18	55.1	22	53.25	19	49.2	33
31	19.61	15	37.3	3	28.92	14	57.7	6	6.78	13	57.3	20	53.44	13	52.5	33
Febr. 10	19.76	9	37.0	0	29.06	9	57.1	3	6.91	8	59.3	18	53.57	7	55.8	32
20	19.85	4	37.0	2	29.15	4	56.8	1	6.99	3	61.1	15	53.64	1	59.0	31
März 1	19.89	0	37.2	4	29.19	0	56.7	2	7.02	1	62.6	13	53.65	4	62.1	28
11	19.89	5	37.6	6	29.19	4	56.9	3	7.01	5	63.9	11	53.61	8	64.9	25
21	19.84	8	38.2	7	29.15	8	57.2	5	6.96	8	65.0	8	53.53	13	67.4	22
31	19.76	10	38.9	8	29.07	10	57.7	5	6.88	10	65.8	5	53.40	16	69.6	18
April 10	19.66	12	39.7	8	28.97	12	58.2	6	6.78	12	66.3	2	53.24	18	71.4	14
20	19.54	13	40.5	7	28.85	13	58.8	7	6.66	13	66.5	0	53.06	19	72.8	10
30	19.41	14	41.2	7	28.72	13	59.5	6	6.53	14	66.5	2	52.87	21	73.8	6
Mai 10	19.27	13	41.9	6	28.59	12	60.1	7	6.39	13	66.3	4	52.66	21	74.4	1
20	19.14	12	42.5	6	28.47	12	60.8	6	6.26	12	65.9	6	52.45	20	74.5	3
30	19.02	10	43.1	5	28.35	10	61.4	5	6.14	11	65.3	8	52.25	19	74.2	8
Juni 9	18.92	9	43.6	4	28.25	9	61.9	5	6.03	10	64.5	9	52.06	17	73.4	11
19	18.83	7	44.0	2	28.16	7	62.4	4	5.93	8	63.6	11	51.89	16	72.3	14
29	18.76	4	44.2	1	28.09	4	62.8	3	5.85	6	62.5	12	51.73	14	70.9	18
Juli 9	18.72	2	44.3	0	28.05	2	63.1	2	5.79	4	61.3	13	51.59	11	69.1	21
19	18.70	0	44.3	1	28.03	0	63.3	1	5.75	2	60.0	13	51.48	7	67.0	23
29	18.70	3	44.2	3	28.03	2	63.4	0	5.73	1	58.7	12	51.41	4	64.7	24
Aug. 8	18.73	6	43.9	5	28.05	5	63.4	2	5.74	4	57.5	12	51.37	0	62.3	26
18	18.79	9	43.4	7	28.10	9	63.2	4	5.78	7	56.3	12	51.37	4	59.7	26
28	[21] 18.88	12	42.7	8	[21] 28.19	12	62.8	5	[22] 5.85	10	55.1	9	[23] 51.41	9	57.1	23
Sept. 7	19.00	15	41.9	10	28.31	15	62.3	7	5.95	13	54.2	6	51.50	14	54.8	21
17	19.15	18	40.9	12	28.46	17	61.6	10	6.08	17	53.6	4	51.64	19	52.7	18
27	19.33	22	39.7	13	28.63	21	60.6	12	6.25	20	53.2	0	51.83	23	50.9	13
Okt. 7	19.55	25	38.4	16	28.84	24	59.4	13	6.45	23	53.2	4	52.06	27	49.6	9
17	19.80	27	36.8	16	29.08	27	58.1	15	6.68	27	53.6	7	52.33	31	48.7	4
27	20.07	30	35.2	18	29.35	29	56.6	17	6.95	29	54.3	11	52.64	35	48.3	2
Nov. 6	20.37	33	33.4	19	29.64	32	54.9	18	7.24	31	55.4	15	52.99	37	48.5	7
16	20.70	34	31.5	18	29.96	33	53.1	18	7.55	33	56.9	18	53.36	39	49.2	13
26	21.04	34	29.7	18	30.29	34	51.3	19	7.88	33	58.7	20	53.75	39	50.5	19
Dez. 6	21.38	34	27.9	17	30.63	33	49.4	18	8.21	32	60.7	22	54.14	38	52.4	23
16	21.72	33	26.2	15	30.96	32	47.6	16	8.53	31	62.9	23	54.52	35	54.7	28
26	22.05	30	24.7	12	31.28	29	46.0	15	8.84	28	65.2	24	54.87	33	57.5	30
36	22.35		23.5		31.57		44.5		9.12		67.6		55.20		60.5	
Mittl. Ort	19.12		41.6		28.43		61.5		6.19		56.7		52.30		57.1	
	379)				380)				381)				382)			

1908	λ Ursae maj. 3ᵐ.4. AR.		Dekl. +		ζ Leonis. 3ᵐ.4. AR.		Dekl. +		μ Ursae maj. 3ᵐ.0. AR.		Dekl. +		30 H. Urs. maj. 5ᵐ.0. AR.		Dekl. +	
	$10^h\ 11^m$		43° 22′		$10^h\ 11^m$		23° 52′		$10^h\ 16^m$		41° 57′		$10^h\ 17^m$		66° 1′	
Jan. 1	32.95	36	18.8	0	34.28	30	30.4	9	50.90	37	37.2	0	30.65	59	44.0	9
11	33.31	31	18.8	5	34.58	26	29.5	5	51.27	30	37.2	4	31.24	50	44.9	15
21	33.62	26	19.3	9	34.84	21	29.0	2	51.57	25	37.6	7	31.74	41	46.4	19
31	33.88	19	20.2	12	35.05	16	28.8	1	51.82	20	38.3	11	32.15	31	48.3	23
Febr. 10	34.07	13	21.4	15	35.21	11	28.9	3	52.02	13	39.4	14	32.46	20	50.6	25
20	34.20	6	22.9	17	35.32	5	29.2	6	52.15	7	40.8	17	32.66	9	53.1	27
März 1	34.26	0	24.6	18	35.37	1	29.8	9	52.22	1	42.5	18	32.75	2	55.8	27
11	34.26	6	26.4	20	35.38	4	30.7	10	52.23	5	44.3	18	32.73	12	58.5	27
21	34.20	10	28.4	18	35.34	8	31.7	10	52.18	10	46.1	18	32.61	21	61.2	25
31	34.10	14	30.2	17	35.26	10	32.7	10	52.08	13	47.9	17	32.40	28	63.7	22
April 10	33.96	17	31.9	15	35.16	12	33.7	10	51.95	16	49.6	15	32.12	34	65.9	19
20	33.79	19	33.4	13	35.04	14	34.7	10	51.79	18	51.1	13	31.78	38	67.8	14
30	33.60	19	34.7	10	34.90	14	35.7	8	51.61	18	52.4	10	31.40	40	69.2	10
Mai 10	33.41	19	35.7	6	34.76	13	36.5	7	51.43	18	53.4	7	31.00	40	70.2	5
20	33.22	18	36.3	3	34.63	13	37.2	5	51.25	18	54.1	4	30.60	40	70.7	0
30	33.04	17	36.6	0	34.50	11	37.7	4	51.07	16	54.5	1	30.20	37	70.7	4
Juni 9	32.87	14	36.6	3	34.39	10	38.1	2	50.91	14	54.6	2	29.83	33	70.3	9
19	32.73	11	36.3	7	34.29	8	38.3	0	50.77	11	54.4	6	29.50	28	69.4	14
29	32.62	8	35.6	10	34.21	5	38.3	2	50.66	9	53.8	9	29.22	23	68.0	18
Juli 9	32.54	6	34.6	13	34.16	3	38.1	3	50.57	5	52.9	12	28.99	17	66.2	22
19	32.48	2	33.3	15	34.13	1	37.8	5	50.52	2	51.7	14	28.82	10	64.0	25
29	32.46	2	31.8	17	34.12	2	37.3	6	50.50	1	50.3	17	28.72	3	61.5	28
Aug. 8	32.48	5	30.1	19	34.14	5	36.7	9	50.51	4	48.6	18	28.69	4	58.7	29
18	32.53	11	28.2	23	34.19	9	35.8	11	50.55	9	46.8	23	28.73	12	55.8	34
28	32.64	13	25.9	23	34.28	11	34.7	12	50.64	13	44.5	22	28.85	19	52.4	32
Sept. 7	32.77	18	23.6	24	34.39	14	33.5	14	50.77	16	42.3	23	29.04	27	49.2	32
17	32.95	21	21.2	24	34.53	18	32.1	16	50.93	21	40.0	24	29.31	34	46.0	32
27	33.16	26	18.8	24	34.71	22	30.5	17	51.14	25	37.6	25	29.65	41	42.8	31
Okt. 7	33.42	31	16.4	24	34.93	25	28.8	18	51.39	29	35.1	24	30.06	48	39.7	29
17	33.73	34	14.0	24	35.18	28	27.0	19	51.68	33	32.7	23	30.54	55	36.8	26
27	34.07	37	11.6	22	35.46	31	25.1	19	52.01	37	30.4	22	31.09	60	34.2	23
Nov. 6	34.44	40	9.4	20	35.77	34	23.2	20	52.38	39	28.2	21	31.69	65	31.9	19
16	34.84	42	7.4	17	36.11	35	21.2	19	52.77	41	26.1	18	32.34	68	30.0	15
26	35.26	43	5.7	14	36.46	35	19.3	17	53.18	42	24.3	15	33.02	69	28.5	10
Dez. 6	35.69	43	4.3	11	36.81	36	17.6	16	53.60	41	22.8	12	33.71	69	27.5	5
16	36.12	41	3.2	6	37.17	34	16.0	13	54.01	40	21.6	7	34.40	66	27.0	1
26	36.53	38	2.6	2	37.51	32	14.7	10	54.41	39	20.9	3	35.06	62	27.1	6
36	36.91		2.4		37.83		13.7		54.80		20.6		35.68		27.7	
Mittl. Ort	33.17		26.6		34.55		33.9		51.15		44.8		30.51		55.2	
	383)				384)				386)				387)			

1908	μ Hydrae. 3ᵐ.9. AR.		Dekl. —		31 Leon. min. 4ᵐ.2. AR.		Dekl +		J Carinae. 4ᵐ.1. AR.		Dekl. —		Lac. α Antliae. 4ᵐ.2. AR.		Dekl. —	
	10ʰ 21ᵐ		16° 21′		10ʰ 22ᵐ		37° 10′		10ʰ 22ᵐ		73° 33′		10ʰ 22ᵐ		30° 35′	
Jan. 1	38.34	27	51.1	25	33.73	34	37.4	3	37.08	60	26.8	30	56.52	29	44.8	29
11	38.61	24	53.6	25	34.07	30	37.1	1	37.68	49	29.8	34	56.81	24	47.7	30
21	38.85	19	56.1	24	34.37	25	37.2	5	38.17	35	33.2	37	57.05	20	50.7	29
31	39.04	14	58.5	23	34.62	19	37.7	8	38.52	22	36.9	39	57.25	14	53.6	29
Febr. 10	39.18	10	60.8	21	34.81	13	38.5	11	38.74	8	40.8	39	57.39	9	56.5	28
20	39.28	5	62.9	18	34.94	7	39.6	14	38.82	5	44.7	38	57.48	4	59.3	26
März 1	39.33	0	64.7	16	35.01	2	41.0	15	38.77	18	48.5	37	57.52	0	61.9	23
11	39.33	4	66.3	13	35.03	4	42.5	16	38.59	30	52.2	35	57.52	5	64.2	21
21	39.29	7	67.6	10	34.99	8	44.1	17	38.29	40	55.7	32	57.47	8	66.3	17
31	39.22	9	68.6	8	34.91	11	45.8	16	37.89	49	58.9	29	57.39	12	68.0	14
April 10	39.13	12	69.4	5	34.80	14	47.4	14	37.40	56	61.8	24	57.27	14	69.4	11
20	39.01	13	69.9	2	34.66	16	48.8	12	36.84	62	64.2	20	57.13	15	70.5	7
30	38.88	13	70.1	0	34.50	16	50.0	10	36.22	66	66.2	15	56.98	16	71.2	4
Mai 10	38.75	13	70.1	3	34.34	17	51.0	8	35.56	70	67.7	10	56.82	16	71.6	0
20	38.62	13	69.8	5	34.17	16	51.8	5	34.86	70	68.7	4	56.66	16	71.6	3
30	38.49	12	69.3	7	34.01	15	52.3	2	34.16	69	69.1	1	56.50	15	71.3	7
Juni 9	38.37	11	68.6	10	33.86	13	52.5	1	33.47	67	69.0	6	56.35	14	70.6	10
19	38.26	9	67.6	11	33.73	10	52.4	4	32.80	63	68.4	11	56.21	12	69.6	13
29	38.17	7	66.5	12	33.63	8	52.0	6	32.17	58	67.3	17	56.09	10	68.3	15
Juli 9	38.10	6	65.3	13	33.55	5	51.4	9	31.59	51	65.6	21	55.99	8	66.8	18
19	38.04	3	64.0	15	33.50	3	50.5	12	31.08	41	63.5	24	55.91	6	65.0	19
29	38.01	1	62.5	15	33.47	1	49.3	14	30.67	31	61.1	27	55.85	3	63.1	21
Aug. 8	38.00	2	61.0	14	33.48	4	47.9	16	30.36	20	58.4	31	55.82	0	61.0	20
18	38.02	5	59.6	14	33.52	8	46.3	20	30.16	8	55.3	34	55.82	4	59.0	21
28	[26] 38.07	8	58.2	11	[26] 33.60	12	44.3	20	[26] 30.08	7	51.9	32	[27] 55.86	8	56.9	19
Sept. 7	38.15	12	57.1	9	33.72	15	42.3	21	30.15	21	48.7	29	55.94	12	55.0	16
17	38.27	16	56.2	5	33.87	19	40.2	22	30.36	35	45.8	27	56.06	16	53.4	13
27	38.43	19	55.7	2	34.06	22	38.0	23	30.71	47	43.1	24	56.22	20	52.1	9
Okt. 7	38.62	22	55.5	1	34.28	26	35.7	24	31.18	59	40.7	19	56.42	24	51.2	5
17	38.84	26	55.6	5	34.54	31	33.3	23	31.77	69	38.8	15	56.66	28	50.7	0
27	39.10	29	56.1	9	34.85	34	31.0	22	32.46	77	37.3	8	56.94	31	50.7	5
Nov. 6	39.39	31	57.0	13	35.19	37	28.8	21	33.23	82	36.5	1	57.25	33	51.2	9
16	39.70	33	58.3	17	35.56	39	26.7	19	34.05	85	36.4	5	57.58	35	52.1	14
26	40.03	34	60.0	20	35.95	40	24.8	16	34.90	84	36.9	11	57.93	36	53.5	19
Dez. 6	40.37	33	62.0	22	36.35	39	23.2	13	35.74	80	38.0	18	58.29	35	55.4	22
16	40.70	31	64.2	25	36.74	39	21.9	10	36.54	74	39.8	24	58.64	33	57.6	26
26	41.01	29	66.7	25	37.13	36	20.9	6	37.28	65	42.2	29	58.97	31	60.2	28
36	41.30		69.2		37.49		20.3		37.93		45.1		59.28		63.0	
Mittl. Ort	38.44		59.2		34.04		44.1		34.23		47.4		56.44		56.9	
	389)				390)				391)				392)			

1908	*s* Carinae. 4ᵐ.1. AR.		Dekl. −		36 Ursae maj. 4ᵐ.8. AR.		Dekl. +		9 H. Draconis. 4ᵐ.9. AR.		Dekl. +		33 Sextantis. 6ᵐ.6. AR.		Dekl. −	
	10ʰ 24ᵐ		58° 15′		10ʰ 24ᵐ		56° 26′		10ʰ 27ᵐ		76° 10′		10ʰ 36ᵐ		1° 15′	
Jan. 1	30.94	38	51.5	31	44.60	46	59.1	6	18.64	95	62.1	12	43.10	28	24.0	20
11	31.32	32	54.6	35	45.06	40	59.7	10	19.59	82	63.3	17	43.38	25	26.0	19
21	31.64	24	58.1	36	45.46	34	60.7	14	20.41	68	65.0	22	43.63	21	27.9	17
31	31.88	17	61.7	37	45.80	26	62.1	18	21.09	52	67.2	25	43.84	16	29.6	15
Febr. 10	32.05	9	65.4	37	46.06	17	63.9	21	21.61	34	69.7	29	44.00	12	31.1	12
20	32.14	1	69.1	36	46.23	9	66.0	23	21.95	15	72.6	30	44.12	7	32.3	10
März 1	32.15	— 6	72.7	34	46.32	1	68.3	24	22.10	— 4	75.6	30	44.19	3	33.3	7
11	32.09	13	76.1	32	46.33	— 6	70.7	25	22.06	20	78.6	29	44.22	— 1	34.0	5
21	31.96	18	79.3	28	46.27	13	73.2	23	21.86	36	81.5	27	44.21	5	34.5	3
31	31.78	23	82.1	25	46.14	19	75.5	21	21.50	50	84.2	24	44.16	8	34.8	0
April 10	31.55	27	84.6	21	45.95	23	77.6	18	21.00	60	86.6	20	44.08	10	34.8	1
20	31.28	30	86.7	16	45.72	26	79.4	15	20.40	68	88.6	15	43.98	11	34.7	2
30	30.98	31	88.3	12	45.46	27	80.9	11	19.72	73	90.1	10	43.87	11	34.5	4
Mai 10	30.67	33	89.5	7	45.19	27	82.0	7	18.99	74	91.1	5	43.76	11	34.1	5
20	30.34	33	90.2	2	44.92	27	82.7	3	18.25	74	91.6	— 1	43.65	12	33.6	6
30	30.01	32	90.4	— 4	44.65	25	83.0	— 2	17.51	70	91.5	6	43.53	11	33.0	7
Juni 9	29.69	30	90.0	9	44.40	22	82.8	6	16.81	65	90.9	11	43.42	9	32.3	7
19	29.39	29	89.1	13	44.18	19	82.2	10	16.16	58	89.8	16	43.33	8	31.6	8
29	29.10	25	87.8	17	43.99	15	81.2	14	15.58	48	88.2	21	43.25	7	30.8	8
Juli 9	28.85	22	86.1	21	43.84	11	79.8	18	15.10	38	86.1	24	43.18	5	30.0	8
19	28.63	18	84.0	24	43.73	7	78.0	21	14.72	27	83.7	28	43.13	3	29.2	7
29	28.45	13	81.6	27	43.66	2	75.9	23	14.45	16	80.9	30	43.10	1	28.5	6
Aug. 8	28.32	6	78.9	29	43.64	— 3	73.6	25	14.29	3	77.9	33	43.09	— 1	27.9	6
18	28.26	0	76.0	32	[27]43.67	8	71.1	31	14.26	— 11	74.6	34	43.10	4	27.3	4
28	[27]28.26	7	72.8	29	43.75	14	68.0	28	[28]14.37	26	71.2	38	[30]43.14	8	26.9	2
Sept. 7	28.33	14	69.9	26	43.89	20	65.2	30	14.63	37	67.4	35	43.22	10	26.7	0
17	28.47	21	67.3	24	44.09	25	62.2	30	15.00	50	63.9	35	43.32	14	26.7	2
27	28.68	28	64.9	20	44.34	30	59.2	29	15.50	63	60.4	32	43.46	18	26.9	5
Okt. 7	28.96	34	62.9	16	44.64	36	56.3	28	16.13	75	57.2	30	43.64	21	27.4	8
17	29.30	40	61.3	10	45.00	41	53.5	27	16.88	85	54.2	28	43.85	24	28.2	12
27	29.70	45	60.3	4	45.41	45	50.8	24	17.73	94	51.4	24	44.09	28	29.4	14
Nov. 6	30.15	49	59.9	— 2	45.86	49	48.4	21	18.67	102	49.0	20	44.37	30	30.8	16
16	30.64	50	60.1	8	46.35	52	46.3	17	19.69	108	47.0	14	44.67	32	32.4	19
26	31.14	51	60.9	15	46.87	54	44.6	13	20.77	110	45.6	9	44.99	33	34.3	20
Dez. 6	31.65	49	62.4	21	47.41	53	43.3	9	21.87	110	44.7	4	45.32	33	36.3	21
16	32.14	46	64.5	25	47.94	52	42.4	4	22.97	106	44.3	— 3	45.65	32	38.4	22
26	32.60	41	67.0	29	48.46	49	42.0	— 2	24.03	99	44.6	9	45.97	30	40.6	20
36	33.01		69.9		48.95		42.2		25.02		45.5		46.27		42.6	
Mittl. Ort	29.96		70.0		44.76		69.4		17.94		74.2		43.40		28.0	
	393)				394)				395)				404)			

1908	ϑ Argus. 2ᵐ.8. AR.	Δ	Dekl. −	Δ	42 Leon. min. 5ᵐ.3. AR.	Δ	Dekl. +	Δ	μ Argus. 2ᵐ.7. AR.	Δ	Dekl. −	Δ	l Leonis. 5ᵐ.4. AR.	Δ	Dekl. +	Δ
	10ʰ 39ᵐ		63° 54′		10ʰ 40ᵐ		31° 9′		10ʰ 42ᵐ		48° 55′		10ʰ 44ᵐ		11° 1′	
Jan. 1	41ˢ.54	46	23″.6	30	44ˢ.73	34	56″.3	8	48ˢ.92	35	44″.5	30	24ˢ.96	30	56″.2	16
11	42.00	39	26.6	34	45.07	29	55.5	4	49.27	30	47.5	33	25.26	26	54.6	13
21	42.39	30	30.0	36	45.36	25	55.1	— 1	49.57	25	50.8	34	25.52	22	53.3	11
31	42.69	21	33.6	37	45.61	20	55.2	4	49.82	18	54.2	35	25.74	18	52.2	8
Febr. 10	42.90	13	37.3	38	45.81	15	55.6	7	50.00	12	57.7	35	25.92	13	51.4	5
20	43.03	4	41.1	38	45.96	9	56.3	10	50.12	6	61.2	34	26.05	9	50.9	2
März 1	43.07	— 5	44.9	36	46.05	4	57.3	13	50.18	— 1	64.6	32	26.14	4	50.7	0
11	43.02	13	48.5	34	46.09	— 1	58.6	13	50.17	6	67.8	29	26.18	— 1	50.7	3
21	42.89	19	51.9	31	46.08	6	59.9	14	50.11	10	70.7	26	26.17	4	51.0	4
31	42.70	26	55.0	27	46.02	9	61.3	15	50.01	14	73.3	23	26.13	6	51.4	6
April 10	42.44	31	57.7	24	45.93	11	62.8	14	49.87	18	75.6	20	26.07	9	52.0	6
20	42.13	34	60.1	20	45.82	13	64.2	12	49.69	20	77.6	15	25.98	11	52.6	7
30	41.79	38	62.1	15	45.69	14	65.4	11	49.49	22	79.1	11	25.87	11	53.3	7
Mai 10	41.41	39	63.6	10	45.55	15	66.5	9	49.27	23	80.2	6	25.76	12	54.0	7
20	41.02	41	64.6	5	45.40	14	67.4	6	49.04	24	80.8	2	25.64	11	54.7	6
30	40.61	40	65.1	— 1	45.26	14	68.0	4	48.80	23	81.0	— 3	25.53	11	55.3	6
Juni 9	40.21	39	65.0	6	45.12	12	68.4	2	48.57	22	80.7	7	25.42	10	55.9	6
19	39.82	38	64.4	10	45.00	10	68.6	— 1	48.35	21	80.0	12	25.32	9	56.5	5
29	39.44	34	63.4	16	44.90	8	68.5	4	48.14	19	78.8	15	25.23	7	57.0	4
Juli 9	39.10	30	61.8	20	44.82	6	68.1	6	47.95	17	77.3	19	25.16	5	57.4	2
19	38.80	26	59.8	23	44.76	4	67.5	8	47.78	14	75.4	21	25.11	3	57.6	2
29	38.54	19	57.5	26	44.72	1	66.7	10	47.64	10	73.3	24	25.08	1	57.8	0
Aug. 8	38.35	13	54.9	28	44.71	— 2	65.7	13	47.54	5	70.9	25	25.07	— 1	57.8	1
18	38.22	5	52.1	30	44.73	5	64.4	15	47.49	1	68.4	27	25.08	4	57.7	3
28	38.17	— 4	49.1	32	44.78	9	62.9	18	47.48	— 5	65.7	28	25.12	8	57.4	6
Sept. 7	[31] 38.21	12	45.9	29	[31] 44.87	12	61.1	19	[1] 47.53	10	62.9	24	[1] 25.20	10	56.8	7
17	38.33	21	43.0	26	44.99	16	59.2	20	47.63	16	60.5	22	25.30	14	56.1	10
27	38.54	29	40.4	23	45.15	19	57.2	22	47.79	21	58.3	18	25.44	17	55.1	12
Okt. 7	38.83	38	38.1	19	45.34	24	55.0	22	48.00	27	56.5	14	25.61	21	53.9	14
17	39.21	45	36.2	13	45.58	27	52.8	23	48.27	32	55.1	9	25.82	24	52.5	16
27	39.66	50	34.9	7	45.85	31	50.5	23	48.59	37	54.2	3	26.06	28	50.9	18
Nov. 6	40.16	56	34.2	1	46.16	34	48.2	22	48.96	40	53.9	— 3	26.34	30	49.1	19
16	40.72	58	34.1	— 5	46.50	36	46.0	20	49.36	43	54.2	9	26.64	32	47.2	20
26	41.30	59	34.6	11	46.86	38	44.0	19	49.79	43	55.1	14	26.96	34	45.2	20
Dez. 6	41.89	57	35.7	18	47.24	37	42.1	17	50.22	42	56.5	20	27.30	33	43.2	20
16	42.46	54	37.5	23	47.61	37	40.4	13	50.64	41	58.5	24	27.63	33	41.2	19
26	43.00	50	39.8	28	47.98	35	39.1	9	51.05	38	60.9	29	27.96	32	39.3	17
36	43.50		42.6		48.33		38.2		51.43		63.8		28.28		37.6	
Mittl. Ort	40.36		44.1		45.14		61.6		48.55		62.3		25.36		55.8	
	406)				407)				408)				409)			

1908	ι Velorum. 4m.5.				β Ursae maj. 2m.3.				α Ursae maj. 1m.8.				χ Leonis. 4m.8.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	10h 55m		41° 43′		10h 56m		56° 52′		10h 58m		62° 14′		11h 0m		7° 49′	
Jan. 1	55.92	33	39.7	28	17.41	49	21.9	1	3.18	56	40.6	4	15.87	31	62.3	18
11	56.25	30	42.5	31	17.90	44	22.0	7	3.74	50	41.0	8	16.18	27	60.5	15
21	56.55	25	45.6	33	18.34	38	22.7	12	4.24	44	41.8	14	16.45	23	59.0	13
31	56.80	19	48.9	32	18.72	31	23.9	16	4.68	35	43.2	18	16.68	19	57.7	10
Febr. 10	56.99	14	52.1	32	19.03	23	25.5	20	5.03	26	45.0	22	16.87	14	56.7	7
20	57.13	7	55.3	31	19.26	15	27.5	23	5.29	17	47.2	25	17.01	10	56.0	5
März 1	57.20	3	58.4	30	19.41	6	29.8	25	5.46	7	49.7	26	17.11	5	55.5	2
11	57.23	— 2	61.4	27	19.47	— 2	32.3	25	5.53	— 3	52.3	28	17.16	1	55.3	— 1
21	57.21	7	64.1	24	19.45	8	34.8	25	5.50	10	55.1	26	17.17	— 2	55.4	2
31	57.14	10	66.5	21	19.37	14	37.3	23	5.40	17	57.7	24	17.15	6	55.6	4
April 10	57.04	13	68.6	17	19.23	19	39.6	21	5.23	24	60.1	22	17.09	8	56.0	5
20	56.91	16	70.3	14	19.04	24	41.7	18	4.99	28	62.3	19	17.01	9	56.5	6
30	56.75	18	71.7	10	18.80	25	43.5	15	4.71	32	64.2	15	16.92	11	57.1	7
Mai 10	56.57	18	72.7	6	18.55	27	45.0	10	4.39	33	65.7	10	16.81	11	57.8	7
20	56.39	19	73.3	1	18.28	28	46.0	6	4.06	33	66.7	5	16.70	11	58.5	6
30	56.20	19	73.4	— 2	18.00	26	46.6	1	3.73	33	67.2	0	16.59	11	59.1	7
Juni 9	56.01	18	73.2	7	17.74	24	46.7	— 3	3.40	31	67.2	4	16.48	10	59.8	6
19	55.83	17	72.5	10	17.50	22	46.4	7	3.09	28	66.8	9	16.38	9	60.4	5
29	55.66	16	71.5	14	17.28	19	45.7	12	2.81	24	65.9	13	16.29	7	60.9	5
Juli 9	55.50	14	70.1	17	17.09	16	44.5	16	2.57	21	64.6	17	16.22	6	61.4	4
19	55.36	12	68.4	20	16.93	12	42.9	19	2.36	15	62.9	21	16.16	5	61.8	3
29	55.24	9	66.4	21	16.81	8	41.0	22	2.21	10	60.8	25	16.11	3	62.1	2
Aug. 8	55.15	5	64.3	23	16.73	2	38.8	25	2.11	5	58.3	27	16.08	1	62.3	0
18	55.10	1	62.0	24	16.71	— 2	36.3	28	2.06	— 1	55.6	30	16.07	— 3	62.3	2
28	55.09	— 4	59.6	25	16.73	8	33.5	33	2.07	8	52.6	35	16.10	6	62.1	3
Sept. 7	55.13	8	57.1	21	16.81	13	30.2	30	2.15	14	49.1	32	16.16	8	61.8	6
17	55.21	13	55.0	19	16.94	19	27.2	31	2.29	21	45.9	33	16.24	12	61.2	8
27	55.34	18	53.1	16	17.13	26	24.1	32	2.50	28	42.6	33	16.36	16	60.4	10
Okt. 7	55.52	24	51.5	11	17.39	31	20.9	31	2.78	36	39.3	33	16.52	19	59.4	13
17	55.76	28	50.4	7	17.70	37	17.8	30	3.14	42	36.0	30	16.71	23	58.1	15
27	56.04	32	49.7	2	18.07	42	14.8	27	3.56	47	33.0	28	16.94	26	56.6	17
Nov. 6	56.36	36	49.5	— 4	18.49	47	12.1	25	4.03	53	30.2	25	17.20	29	54.9	19
16	56.72	38	49.9	9	18.96	50	9.6	21	4.56	57	27.7	21	17.49	32	53.0	20
26	57.10	40	50.8	15	19.46	53	7.5	17	5.13	60	25.6	16	17.81	33	51.0	21
Dez. 6	57.50	40	52.3	19	19.99	54	5.8	13	5.73	62	24.0	12	18.14	33	48.9	20
16	57.90	38	54.2	24	20.53	53	4.5	7	6.35	61	22.8	6	18.47	33	46.9	20
26	58.28	35	56.6	27	21.06	51	3.8	1	6.96	58	22.2	— 1	18.80	32	44.9	19
36	58.63		59.3		21.57		3.7		7.54		22.3		19.12		43.0	
Mittl. Ort	55.87		56.3		17.79		32.7		3.50		52.2		16.34		60.7	
	415)				416)				417)				418)			

1908	ψ Ursae maj. 3^m.0. AR.		Dekl. +		β Crateris. 4^m.3. AR.		Dekl. —		δ Leonis. 2^m.4. AR.		Dekl. +		θ Leonis. 3^m.3. AR.		Dekl. +	
	11^h 4^m		44° 59′		11^h 7^m		22° 19′		11^h 9^m		21° 1′		11^h 9^m		15° 55′	
	s		″		s		″		s		″		s		″	
Jan. 1	29.22	40	43.4	4	7.59	31	12.8	26	12.49	33	37.9	13	24.28	32	56.3	15
11	29.62	37	43.0	— 1	7.90	27	15.4	26	12.82	30	36.6	10	24.60	29	54.8	12
21	29.99	32	43.1	5	8.17	24	18.0	26	13.12	25	35.6	7	24.89	25	53.6	10
31	30.31	26	43.6	10	8.41	19	20.6	25	13.37	21	34.9	3	25.14	20	52.6	6
Febr. 10	30.57	20	44.6	14	8.60	14	23.1	24	13.58	16	34.6	0	25.34	16	52.0	3
20	30.77	13	46.0	17	8.74	10	25.5	22	13.74	12	34.6	4	25.50	11	51.7	— 1
März 1	30.90	7	47.7	20	8.84	5	27.7	20	13.86	7	35.0	6	25.61	6	51.8	3
11	30.97	1	49.7	21	8.89	1	29.7	18	13.93	2	35.6	8	25.67	2	52.1	5
21	30.98	— 4	51.8	21	8.90	— 3	31.5	15	13.95	— 2	36.4	10	25.69	— 1	52.6	7
31	30.94	9	53.9	20	8.87	6	33.0	12	13.93	5	37.4	11	25.68	5	53.3	9
April 10	30.85	13	55.9	19	8.81	9	34.2	9	13.88	8	38.5	11	25.63	8	54.2	9
20	30.72	16	57.8	17	8.72	10	35.1	6	13.80	10	39.6	11	25.55	9	55.1	9
30	30.56	18	59.5	14	8.62	11	35.7	4	13.70	11	40.7	10	25.46	10	56.0	9
Mai 10	30.38	18	60.9	11	8.51	13	36.1	1	13.59	12	41.7	9	25.36	12	56.9	8
20	30.20	19	62.0	8	8.38	12	36.2	— 2	13.47	12	42.6	8	25.24	11	57.7	8
30	30.01	18	62.8	4	8.26	13	36.0	5	13.35	12	43.4	7	25.13	11	58.5	7
Juni 9	29.83	17	63.2	0	8.13	13	35.5	7	13.23	11	44.1	5	25.02	11	59.2	5
19	29.66	16	63.2	3	8.00	11	34.8	9	13.12	10	44.6	3	24.91	9	59.7	4
29	29.50	14	62.9	7	7.89	10	33.9	11	13.02	9	44.9	1	24.82	8	60.1	3
Juli 9	29.36	11	62.2	10	7.79	9	32.8	13	12.93	7	45.0	— 1	24.74	7	60.4	1
19	29.25	8	61.2	14	7.70	8	31.5	14	12.86	5	44.9	3	24.67	6	60.5	— 1
29	29.17	5	59.8	17	7.62	5	30.1	15	12.81	3	44.6	6	24.61	3	60.4	3
Aug. 8	29.12	2	58.1	19	7.57	3	28.6	15	12.78	1	44.0	7	24.58	1	60.1	4
18	29.10	— 1	56.2	22	7.54	0	27.1	15	12.77	— 1	43.3	9	24.57	— 1	59.7	6
28	29.11	5	54.0	25	7.54	3	25.6	13	12.78	5	42.4	11	24.58	4	59.1	8
Sept. 7	29.16	11	51.5	29	7.57	8	24.3	13	12.83	9	41.3	15	24.62	9	58.3	12
17	[7]29.27	15	48.6	27	[8]7.65	11	23.0	10	[8]12.92	11	39.8	15	[8]24.71	11	57.1	13
27	29.42	20	45.9	28	7.76	15	22.0	6	13.03	16	38.3	18	24.82	15	55.8	15
Okt. 7	29.62	24	43.1	28	7.91	19	21.4	3	13.19	19	36.5	19	24.97	19	54.3	17
17	29.86	29	40.3	28	8.10	23	21.1	— 1	13.38	23	34.6	22	25.16	23	52.6	19
27	30.15	34	37.5	27	8.33	27	21.2	5	13.61	27	32.4	21	25.39	26	50.7	20
Nov. 6	30.49	37	34.8	25	8.60	30	21.7	10	13.88	30	30.3	22	25.65	30	48.7	21
16	30.86	40	32.3	23	8.90	33	22.7	14	14.18	33	28.1	23	25.95	32	46.6	22
26	31.26	43	30.0	20	9.23	35	24.1	18	14.51	34	25.8	21	26.27	33	44.4	21
Dez. 6	31.69	44	28.0	16	9.58	35	25.9	21	14.85	36	23.7	20	26.60	35	42.3	20
16	32.13	43	26.4	12	9.93	34	28.0	23	15.21	35	21.7	18	26.95	34	40.3	19
26	32.56	42	25.2	7	10.27	31	30.3	25	15.56	34	19.9	15	27.29	33	38.4	17
36	32.98		24.5		10.58		32.8		15.90		18.4		27.62		36.7	
Mittl. Ort	29.74		52.1		7.91		24.2		13.04		40.4		24.82		57.2	
	420)				421)				422)				423)			

1908	ν Ursae maj. $3^m.4$. AR.		Dekl. +		δ Crateris. $3^m.6$. AR.		Dekl. −		σ Leonis. $4^m.1$. AR.		Dekl. +		π Centauri. $4^m.1$. AR.		Dekl. −	
	$11^h\ 13^m$		$33°\ 35'$		$11^h\ 14^m$		$14°\ 16'$		$11^h\ 16^m$		$6°\ 31'$		$11^h\ 16^m$		$53°\ 58'$	
Jan. 1	30.17	36	41.0	9	43.97	31	41.0	24	23.05	31	63.3	19	48.64	41	51.8	27
11	30.53	32	40.1	5	44.28	27	43.4	23	23.36	28	61.4	16	49.05	37	54.5	31
21	30.85	29	39.6	0	44.55	23	45.7	23	23.64	24	59.8	14	49.42	31	57.6	33
31	31.14	24	39.6	4	44.78	20	48.0	22	23.88	20	58.4	11	49.73	25	60.9	35
Febr. 10	31.38	18	40.0	7	44.98	15	50.2	20	24.08	16	57.3	8	49.98	18	64.4	35
20	31.56	13	40.7	11	45.13	11	52.2	18	24.24	11	56.5	6	50.16	12	67.9	35
März 1	31.69	7	41.8	13	45.24	6	54.0	15	24.35	7	55.9	3	50.28	5	71.4	34
11	31.76	3	43.1	15	45.30	2	55.5	13	24.42	3	55.6	0	50.33	— 1	74.8	33
21	31.79	— 2	44.6	16	45.32	— 1	56.8	10	24.45	— 1	55.6	2	50.32	6	78.1	30
31	31.77	6	46.2	17	45.31	5	57.8	8	24.44	4	55.8	3	50.26	11	81.1	27
April 10	31.71	9	47.9	16	45.26	7	58.6	6	24.40	6	56.1	5	50.15	16	83.8	24
20	31.62	12	49.5	15	45.19	9	59.2	3	24.34	8	56.6	6	49.99	19	86.2	19
30	31.50	13	51.0	13	45.10	10	59.5	1	24.26	10	57.2	6	49.80	22	88.1	16
Mai 10	31.37	14	52.3	11	45.00	11	59.6	— 2	24.16	10	57.8	7	49.58	24	89.7	11
20	31.23	14	53.4	9	44.89	11	59.4	4	24.06	11	58.5	7	49.34	25	90.8	7
30	31.09	14	54.3	6	44.78	12	59.0	5	23.95	11	59.2	6	49.09	27	91.5	2
Juni 9	30.95	14	54.9	4	44.66	11	58.5	6	23.84	10	59.8	6	48.82	26	91.7	— 2
19	30.81	12	55.3	0	44.55	10	57.9	8	23.74	9	60.4	6	48.56	26	91.5	7
29	30.69	11	55.3	3	44.45	9	57.1	10	23.65	8	61.0	6	48.30	24	90.8	12
Juli 9	30.58	9	55.0	6	44.36	9	56.1	11	23.57	7	61.6	4	48.06	23	89.6	16
19	30.49	7	54.4	8	44.27	7	55.0	11	23.50	6	62.0	3	47.83	20	88.0	19
29	30.42	5	53.6	11	44.20	5	53.9	11	23.44	4	62.3	3	47.63	16	86.1	22
Aug. 8	30.37	2	52.5	14	44.15	3	52.8	11	23.40	2	62.6	1	47.47	12	83.9	25
18	30.35	— 1	51.1	16	44.12	0	51.7	11	23.38	— 1	62.7	— 1	47.35	7	81.4	26
28	30.36	5	49.5	18	44.12	3	50.6	10	23.39	3	62.6	3	47.28	1	78.8	27
Sept. 7	30.41	8	47.7	23	44.15	7	49.6	8	23.42	7	62.3	6	47.27	— 5	76.1	28
17	30.49	12	45.4	22	44.22	10	48.8	5	23.49	10	61.7	7	47.32	11	73.3	25
27	30.61	16	43.2	24	44.32	15	48.3	2	23.59	14	61.0	10	47.43	19	70.8	21
Okt. 7	30.77	21	40.8	25	44.47	18	48.1	— 1	23.73	18	60.0	12	47.62	25	68.7	17
17	30.98	25	38.3	25	44.65	22	48.2	5	23.91	22	58.8	15	47.87	31	67.0	14
27	31.23	29	35.8	26	44.87	25	48.7	9	24.13	25	57.3	17	48.18	37	65.6	8
Nov. 6	31.52	32	33.2	25	45.12	29	49.6	12	24.38	28	55.6	19	48.55	42	64.8	2
16	31.84	35	30.7	23	45.41	32	50.8	15	24.66	31	53.7	20	48.97	45	64.6	— 4
26	32.19	38	28.4	21	45.73	33	52.3	18	24.97	33	51.7	21	49.42	47	65.0	10
Dez. 6	32.57	38	26.3	19	46.06	33	54.1	21	25.30	34	49.6	21	49.89	48	66.0	15
16	32.95	38	24.4	16	46.39	33	56.2	23	25.64	33	47.5	21	50.37	46	67.5	20
26	33.33	38	22.8	11	46.72	32	58.5	23	25.97	32	45.4	20	50.83	44	69.5	25
36	33.71		21.7		47.04		60.8		26.29		43.4		51.27		72.0	
Mittl. Ort	30.75		47.0		44.40		50.1		23.59		61.1		48.47		72.3	
	425)				426)				427)				428)			

1908	Gr. 1771. 6ᵐ.2. AR.		Dekl. +		λ Draconis. 3ᵐ.6. AR.		Dekl. +		ξ Hydrae. 3ᵐ.6. AR.		Dekl. —		λ Centauri. 3ᵐ.3. AR.		Dekl. —	
	$11^h\ 17^m$		64° 49′		$11^h\ 25^m$		69° 49′		$11^h\ 28^m$		31° 20′		$11^h\ 31^m$		62° 30′	
Jan. 1	23.35	62	50.7	2	56.75	74	67.4	2	28.10	34	39.7	26	32.28	51	16.6	25
11	23.97	57	50.9	7	57.49	68	67.6	8	28.44	29	42.3	28	32.79	47	19.1	29
21	24.54	50	51.6	13	58.17	61	68.4	14	28.73	26	45.1	28	33.26	40	22.0	33
31	25.04	41	52.9	18	58.78	52	69.8	18	28.99	22	47.9	28	33.66	32	25.3	35
Febr. 10	25.45	32	54.7	22	59.30	40	71.6	23	29.21	17	50.7	28	33.98	24	28.8	36
20	25.77	22	56.9	25	59.70	28	73.9	27	29.38	13	53.5	27	34.22	16	32.4	37
März 1	25.99	12	59.4	27	59.98	16	76.6	28	29.51	7	56.2	25	34.38	8	36.1	36
11	26.11	1	62.1	28	60.14	2	79.4	29	29.58	3	58.7	22	34.46	1	39.7	36
21	26.12	— 8	64.9	28	60.16	— 9	82.3	29	29.61	— 1	60.9	20	34.47	— 6	43.3	33
31	26.04	16	67.7	26	60.07	19	85.2	28	29.60	5	62.9	18	34.41	13	46.6	31
April 10	25.88	24	70.3	23	59.88	29	88.0	25	29.55	7	64.7	15	34.28	19	49.7	28
20	25.64	29	72.6	21	59.59	36	90.5	21	29.48	10	66.2	11	34.09	24	52.5	23
30	25.35	33	74.7	17	59.23	42	92.6	18	29.38	12	67.3	8	33.85	28	54.9	20
Mai 10	25.02	36	76.4	12	58.81	46	94.4	13	29.26	13	68.1	4	33.57	31	56.9	15
20	24.66	37	77.6	7	58.35	48	95.7	7	29.13	14	68.5	1	33.26	33	58.4	11
30	24.29	38	78.3	3	57.87	48	96.4	3	28.99	14	68.6	— 1	32.93	35	59.5	6
Juni 9	23.91	36	78.6	— 3	57.39	47	96.7	— 2	28.85	14	68.5	4	32.58	36	60.1	1
19	23.55	33	78.3	8	56.92	44	96.5	8	28.71	14	68.1	8	32.22	37	60.2	— 4
29	23.22	30	77.5	12	56.48	41	95.7	14	28.57	14	67.3	11	31.85	35	59.8	9
Juli 9	22.92	26	76.3	16	56.07	37	94.3	18	28.43	12	66.2	13	31.50	33	58.9	14
19	22.66	22	74.7	21	55.70	30	92.5	21	28.31	11	64.9	15	31.17	29	57.5	19
29	22.44	16	72.6	25	55.40	24	90.4	25	28.20	8	63.4	16	30.88	25	55.6	22
Aug. 8	22.28	10	70.1	27	55.16	17	87.9	29	28.12	6	61.8	18	30.63	21	53.4	24
18	22.18	4	67.4	30	54.99	9	85.0	31	28.06	3	60.0	19	30.42	15	51.0	26
28	22.14	— 2	64.4	32	54.90	1	81.9	34	28.03	0	58.1	17	30.27	7	48.4	29
Sept. 7	22.16	11	61.2	37	54.89	— 10	78.5	39	28.03	4	56.4	18	30.20	— 2	45.5	31
17	[11] 22.27	18	57.5	35	[13] 54.99	18	74.6	36	[14] 28.07	9	54.6	14	[15] 30.22	11	42.4	27
27	22.45	25	54.0	35	55.17	28	71.0	35	28.16	14	53.2	12	30.33	19	39.7	25
Okt. 7	22.70	33	50.5	34	55.45	37	67.5	36	28.30	18	52.0	8	30.52	27	37.2	22
17	23.03	41	47.1	32	55.82	46	63.9	33	28.48	23	51.2	4	30.79	36	35.0	17
27	23.44	48	43.9	30	56.28	56	60.6	31	28.71	27	50.8	— 1	31.15	44	33.3	12
Nov. 6	23.92	55	40.9	27	56.84	63	57.5	28	28.98	31	50.9	5	31.59	49	32.1	7
16	24.47	60	38.2	23	57.47	70	54.7	24	29.29	33	51.4	9	32.08	54	31.4	1
26	25.07	63	35.9	19	58.17	74	52.3	19	29.62	36	52.3	14	32.62	57	31.3	— 6
Dez. 6	25.70	65	34.0	13	58.91	78	50.4	13	29.98	37	53.7	19	33.19	58	31.9	12
16	26.35	65	32.7	8	59.69	78	49.1	8	30.35	36	55.6	22	33.77	57	33.1	17
26	27.00	64	31.9	1	60.47	76	48.3	1	30.71	35	57.8	25	34.34	53	34.8	23
36	27.64		31.8		61.23		48.2		31.06		60.3		34.87		37.1	
Mittl. Ort	23.80		62.8		57.19		80.1		28.47		54.6		31.98		39.3	
	429)				433)				434)				436)			

1908	υ Leonis. $4^m.4$. AR.		Dekl. −		3 Draconis. $5^m.4$. AR.		Dekl. +		χ Ursae maj. $3^m.8$. AR.		Dekl. +		β Leonis. $2^m.1$. AR.		Dekl. +	
	$11^h\ 32^m$		0° 18′		$11^h\ 37^m$		67° 14′		$11^h\ 41^m$		48° 16′		$11^h\ 44^m$		15° 4′	
Jan. 1	13.68	32	52.1	20	20.36	68	62.5	0	11.05	43	72.7	7	21.35	33	70.6	17
11	14.00	28	54.1	20	21.04	64	62.5	6	11.48	41	72.0	1	21.68	31	68.9	14
21	14.28	25	56.1	17	21.68	57	63.1	11	11.89	37	71.9	— 4	21.99	27	67.5	11
31	14.53	22	57.8	15	22.25	48	64.2	17	12.26	32	72.3	9	22.26	23	66.4	8
Febr. 10	14.75	17	59.3	13	22.73	39	65.9	22	12.58	25	73.2	13	22.49	19	65.6	4
20	14.92	13	60.6	10	23.12	28	68.1	25	12.83	19	74.5	17	22.68	14	65.2	1
März 1	15.05	8	61.6	7	23.40	17	70.6	27	13.02	12	76.2	21	22.82	10	65.1	— 2
11	15.13	4	62.3	4	23.57	6	73.3	29	13.14	6	78.3	22	22.92	6	65.3	4
21	15.17	0	62.7	3	23.63	— 5	76.2	29	13.20	0	80.5	23	22.98	2	65.7	7
31	15.17	2	63.0	0	23.58	14	79.1	27	13.20	5	82.8	23	23.00	— 2	66.4	9
April 10	15.15	5	63.0	1	23.44	23	81.8	25	13.15	10	85.1	22	22.98	4	67.3	9
20	15.10	7	62.9	3	23.21	30	84.3	23	13.05	14	87.3	21	22.94	7	68.2	10
30	15.03	9	62.6	4	22.91	35	86.6	19	12.91	17	89.4	18	22.87	9	69.2	10
Mai 10	14.94	9	62.2	5	22.56	38	88.5	14	12.74	18	91.2	14	22.78	10	70.2	9
20	14.85	10	61.7	6	22.18	41	89.9	10	12.56	20	92.6	11	22.68	10	71.1	9
30	14.75	10	61.1	6	21.77	42	90.9	4	12.36	20	93.7	7	22.58	11	72.0	8
Juni 9	14.65	10	60.5	7	21.35	42	91.3	— 1	12.16	20	94.4	3	22.47	11	72.8	6
19	14.55	10	59.8	7	20.93	40	91.2	6	11.96	19	94.7	— 1	22.36	10	73.4	5
29	14.45	9	59.1	7	20.53	36	90.6	11	11.77	17	94.6	5	22.26	10	73.9	4
Juli 9	14.36	8	58.4	6	20.17	33	89.5	16	11.60	16	94.1	9	22.16	9	74.3	2
19	14.28	7	57.8	6	19.84	29	87.9	19	11.44	14	93.2	13	22.07	8	74.5	0
29	14.21	5	57.2	5	19.55	23	86.0	24	11.30	11	91.9	16	21.99	6	74.5	2
Aug. 8	14.16	4	56.7	4	19.32	17	83.6	28	11.19	8	90.3	20	21.93	4	74.3	4
18	14.12	1	56.3	3	19.15	11	80.8	30	11.11	4	88.3	23	21.89	2	73.9	6
28	14.11	— 2	56.0	1	19.04	3	77.8	33	11.07	0	86.0	26	21.87	— 1	73.3	8
Sept. 7	14.13	6	55.9	— 1	19.01	— 5	74.5	38	11.07	4	83.4	27	21.88	3	72.5	10
17	[15] 14.19	8	56.0	4	[16] 19.06	14	70.7	35	[17] 11.11	10	80.7	33	[18] 21.91	8	71.5	14
27	14.27	13	56.4	6	19.20	22	67.2	36	11.21	15	77.4	31	21.99	12	70.1	15
Okt. 7	14.40	16	57.0	9	19.42	31	63.6	36	11.36	20	74.3	31	22.11	16	68.6	17
17	14.56	20	57.9	11	19.73	40	60.0	34	11.56	26	71.2	31	22.27	19	66.9	19
27	14.76	24	59.0	14	20.13	47	56.6	32	11.82	30	68.1	31	22.46	23	65.0	21
Nov. 6	15.00	27	60.4	17	20.60	55	53.4	29	12.12	35	65.0	29	22.69	27	62.9	22
16	15.27	30	62.1	19	21.15	62	50.5	26	12.47	40	62.1	27	22.96	30	60.7	23
26	15.57	32	64.0	20	21.77	66	47.9	21	12.87	43	59.4	23	23.26	33	58.4	22
Dez. 6	15.89	33	66.0	22	22.43	70	45.8	15	13.30	45	57.1	19	23.59	34	56.2	22
16	16.22	34	68.2	22	23.13	70	44.3	10	13.75	45	55.2	15	23.93	34	54.0	21
26	16.56	32	70.4	21	23.83	71	43.3	4	14.20	45	53.7	9	24.27	34	51.9	19
36	16.88		72.5		24.54		42.9		14.65		52.8		24.61		50.0	
Mittl. Ort	14.29		56.8		20.97		75.1		11.78		82.2		22.08		71.0	
	437)				440)				441)				444)			

1908	β Virginis. 3m.5.				γ Ursae maj. 2m.3.				o Virginis. 4m.1.				δ Centauri. 2m.7.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. —	
	11h 45m		2° 16′		11h 48m		54° 11′		12h 0m		9° 14′		12h 3m		50° 12′	
Jan. 1	53.49	32	63.5	21	58.99	49	72.0	7	30.59	32	39.8	19	34.70	43	14.9	23
11	53.81	29	61.4	19	59.48	46	71.3	1	30.91	31	37.9	17	35.13	39	17.2	27
21	54.10	26	59.5	16	59.94	41	71.2	— 5	31.22	28	36.2	14	35.52	36	19.9	29
31	54.36	23	57.9	14	60.35	36	71.7	11	31.50	24	34.8	11	35.88	30	22.8	32
Febr. 10	54.59	19	56.5	11	60.71	30	72.8	15	31.74	20	33.7	8	36.18	25	26.0	32
20	54.78	14	55.4	9	61.01	22	74.3	19	31.94	16	32.9	5	36.43	19	29.2	33
März 1	54.92	10	54.5	6	61.23	15	76.2	22	32.10	11	32.4	1	36.62	14	32.5	33
11	55.02	6	53.9	3	61.38	7	78.4	24	32.21	7	32.3	— 1	36.76	7	35.8	31
21	55.08	2	53.6	1	61.45	1	80.8	26	32.28	3	32.4	3	36.83	3	38.9	30
31	55.10	— 1	53.5	— 1	61.46	— 6	83.4	25	32.31	0	32.7	5	36.86	— 3	41.9	27
April 10	55.09	4	53.6	3	61.40	11	85.9	24	32.31	2	33.2	7	36.83	7	44.6	25
20	55.05	6	53.9	4	61.29	16	88.3	22	32.29	5	33.9	8	36.76	10	47.1	22
30	54.99	7	54.3	5	61.13	19	90.5	20	32.24	7	34.7	8	36.66	14	49.3	18
Mai 10	54.92	9	54.8	6	60.94	22	92.5	16	32.17	9	35.5	8	36.52	16	51.1	14
20	54.83	9	55.4	6	60.72	24	94.1	12	32.08	9	36.3	8	36.36	19	52.5	10
30	54.74	10	56.0	6	60.48	24	95.3	8	31.99	10	37.1	8	36.17	20	53.5	7
Juni 9	54.64	10	56.6	7	60.24	24	96.1	3	31.89	10	37.9	7	35.97	23	54.2	1
19	54.54	10	57.3	6	60.00	23	96.4	— 1	31.79	10	38.6	6	35.74	22	54.3	— 2
29	54.44	10	57.9	6	59.77	22	96.3	6	31.69	10	39.2	5	35.52	23	54.1	7
Juli 9	54.34	8	58.5	6	59.55	20	95.7	10	31.59	10	39.7	4	35.29	21	53.4	10
19	54.26	7	59.1	5	59.35	18	94.7	14	31.49	8	40.1	2	35.08	21	52.4	15
29	54.19	6	59.6	3	59.17	14	93.3	18	31.41	7	40.3	1	34.87	18	50.9	18
Aug. 8	54.13	4	59.9	3	59.03	11	91.5	22	31.34	6	40.4	— 1	34.69	16	49.1	20
18	54.09	3	60.2	1	58.92	7	89.3	25	31.28	3	40.3	3	34.53	12	47.1	22
28	54.06	— 1	60.3	— 1	58.85	2	86.8	27	31.25	1	40.0	4	34.41	7	44.9	24
Sept. 7	54.07	4	60.2	2	58.83	— 3	84.1	30	31.24	— 2	39.6	7	34.34	2	42.5	24
17	54.11	8	60.0	6	58.86	9	81.1	35	31.26	6	38.9	10	34.32	— 5	40.1	25
27	[19] 54.19	11	59.4	8	[19] 58.95	14	77.6	33	[23] 31.32	9	37.9	12	[23] 34.37	11	37.6	21
Okt. 7	54.30	15	58.6	10	59.09	21	74.3	33	31.41	14	36.7	14	34.48	17	35.5	19
17	54.45	19	57.6	13	59.30	27	71.0	33	31.55	18	35.3	16	34.65	24	33.6	15
27	54.64	23	56.3	15	59.57	32	67.7	32	31.73	22	33.7	19	34.89	30	32.1	10
Nov. 6	54.87	27	54.8	18	59.89	38	64.5	31	31.95	25	31.8	20	35.19	36	31.1	6
16	55.14	29	53.0	20	60.27	43	61.4	27	32.20	29	29.8	22	35.55	40	30.5	0
26	55.43	32	51.0	21	60.70	47	58.7	24	32.49	32	27.6	22	35.95	43	30.5	6
Dez. 6	55.75	34	48.9	21	61.17	49	56.3	20	32.81	33	25.4	22	36.38	45	31.1	11
16	56.09	33	46.8	22	61.66	51	54.3	15	33.14	34	23.2	22	36.83	46	32.2	16
26	56.42	33	44.6	21	62.17	50	52.8	10	33.48	33	21.0	20	37.29	44	33.8	21
36	56.75		42.5		62.67		51.8		33.81		19.0		37.73		35.9	
Mittl. Ort	54.18		59.4		59.77		82.5		31.39		38.0		35.16		36.0	
	445)				447)				450)				452)			

1908	ε Corvi. $3^m.0$.				4 H. Draconis. $5^m.0$.				δ Ursae maj. $3^m.4$.				β Chamael. $4^m.4$.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. −	
	$12^h\ 5^m$		$22°\ 6'$		$12^h\ 7^m$		$78°\ 7'$		$12^h\ 10^m$		$57°\ 32'$		$12^h\ 12^m$		$78°\ 47'$	
	s		"		s		"		s		"		s		"	
Jan. 1	22.75	33	16.4	24	53.04	120	25.3	2	51.71	52	26.1	8	56.53	117	38.8	18
11	23.08	32	18.8	24	54.24	116	25.1	— 5	52.23	51	25.3	1	57.70	109	40.6	23
21	23.40	28	21.2	24	55.40	106	25.6	12	52.74	47	25.2	— 5	58.79	98	42.9	27
31	23.68	24	23.6	24	56.46	94	26.8	17	53.21	40	25.7	9	59.77	84	45.6	32
Febr. 10	23.92	21	26.0	24	57.40	78	28.5	22	53.61	34	26.6	15	60.61	68	48.8	34
20	24.13	16	28.4	21	58.18	60	30.7	26	53.95	27	28.1	20	61.29	52	52.2	37
März 1	24.29	12	30.5	20	58.78	40	33.3	29	54.22	20	30.1	23	61.81	34	55.9	38
11	24.41	7	32.5	18	59.18	21	36.2	30	54.42	11	32.4	26	62.15	17	59.7	39
21	24.48	4	34.3	15	59.39	0	39.2	31	54.53	4	35.0	26	62.32	0	63.6	38
31	24.52	0	35.8	14	59.39	20	42.3	30	54.57	— 3	37.6	27	62.32	16	67.4	36
April 10	24.52	3	37.2	10	59.19	36	45.3	28	54.54	9	40.3	26	62.16	32	71.0	35
20	24.49	5	38.2	8	58.83	52	48.1	26	54.45	15	42.9	24	61.84	46	74.5	33
30	24.44	7	39.0	6	58.31	65	50.7	21	54.30	19	45.3	22	61.38	59	77.8	27
Mai 10	24.37	9	39.6	4	57.66	76	52.8	16	54.11	23	47.5	17	60.79	71	80.5	26
20	24.28	10	40.0	1	56.90	83	54.4	12	53.88	25	49.2	14	60.08	81	83.1	19
30	24.18	11	40.1	— 2	56.07	87	55.6	6	53.63	27	50.6	9	59.27	89	85.0	15
Juni 9	24.07	12	39.9	4	55.20	88	56.2	1	53.36	27	51.5	5	58.38	94	86.5	10
19	23.95	12	39.5	6	54.32	88	56.3	— 5	53.09	28	52.0	0	57.44	99	87.5	5
29	23.83	11	38.9	8	53.44	84	55.8	10	52.81	26	52.0	4	56.45	99	88.0	— 1
Juli 9	23.72	12	38.1	9	52.60	79	54.8	15	52.55	25	51.6	10	55.46	97	87.9	7
19	23.60	11	37.2	11	51.81	72	53.3	21	52.30	22	50.6	14	54.49	93	87.2	11
29	23.49	9	36.1	12	51.09	62	51.2	24	52.08	20	49.2	18	53.56	84	86.1	17
Aug. 8	23.40	7	34.9	12	50.47	52	48.8	28	51.88	16	47.4	21	52.72	74	84.4	21
18	23.33	6	33.7	13	49.95	40	46.0	32	51.72	12	45.3	26	51.98	60	82.3	25
28	23.27	3	32.4	12	49.55	27	42.8	35	51.60	7	42.7	28	51.38	44	79.8	28
Sept. 7	23.24	— 1	31.2	12	49.28	13	39.3	36	51.53	2	39.9	31	50.94	25	77.0	30
17	23.25	5	30.0	10	49.15	— 4	35.7	42	51.51	— 5	36.8	36	50.69	5	74.0	33
27	23.30	9	29.0	7	49.19	20	31.5	38	51.56	11	33.2	35	50.64	— 18	70.7	30
Okt. 7	23.39	14	28.3	4	49.39	36	27.7	38	51.67	17	29.7	35	50.82	39	67.7	28
17	23.53	19	27.9	0	49.75	53	23.9	37	51.84	24	26.2	35	51.21	60	64.9	25
27	23.72	22	27.9	3	50.28	68	20.2	34	52.08	31	22.7	34	51.81	78	62.4	21
Nov. 6	23.94	27	28.2	7	50.96	83	16.8	32	52.39	37	19.3	32	52.59	96	60.3	17
16	24.21	31	28.9	10	51.79	97	13.6	28	52.76	43	16.1	30	53.55	107	58.6	10
26	24.52	33	29.9	15	52.76	108	10.8	23	53.19	48	13.1	26	54.62	118	57.6	5
Dez. 6	24.85	35	31.4	18	53.84	116	8.5	17	53.67	51	10.5	22	55.80	122	57.1	— 2
16	25.20	34	33.2	20	55.00	122	6.8	12	54.18	54	8.3	16	57.02	124	57.3	9
26	25.54	35	35.2	23	56.22	123	5.6	5	54.72	53	6.7	11	58.26	121	58.2	14
36	25.89		37.5		57.45		5.1		55.25		5.6		59.47		59.6	
Mittl. Ort	23.47		29.2		35.95		38.8		52.65		37.4		55.95		65.1	
	453)				454)				456)				459)			

1908	η Virginis. 3m.7.				α Crucis med. 1m.0.				20 Comae. 6m.0.				δ Corvi. 2m.8.			
	AR.		Dekl. —		AR.		Dekl. —		AR.		Dekl. +		AR.		Dekl. —	
	12h 15m		0° 9′		12h 21m		62° 34′		12h 25m		21° 23′		12h 25m		16° 0′	
Jan. 1	11.06		14.9		28.24		58.5		5.05		77.6		5.27		1.0	
11	11.38	32	17.0	21	28.81	57	60.5	20	5.40	35	75.8	18	5.60	33	3.2	22
21	11.69	31	19.0	20	29.34	53	62.9	24	5.73	33	74.4	14	5.92	32	5.5	23
31	11.97	28	20.8	18	29.82	48	65.7	28	6.03	30	73.4	10	6.20	28	7.7	22
Febr. 10	12.22	25	22.3	15	30.27	45	68.8	31	6.30	27	72.7	7	6.46	26	9.9	22
20	12.43	21	23.6	13	30.59	32	72.2	34	6.53	23	72.5	2	6.68	22	11.9	20
März 1	12.59	16	24.6	10	30.87	28	75.7	35	6.72	19	72.6	— 1	6.86	18	13.8	19
11	12.72	13	25.4	8	31.07	20	79.2	35	6.87	15	73.1	5	6.99	13	15.4	16
21	12.81	9	25.9	5	31.20	13	82.7	35	6.97	10	73.9	8	7.09	10	16.9	15
31	12.86	5	26.1	2	31.25	5	86.1	34	7.03	6	75.0	11	7.14	5	18.1	12
April 10	12.87	1	26.1	0	31.24	— 1	89.4	33	7.06	3	76.2	12	7.17	3	19.0	9
20	12.86	— 1	26.0	1	31.16	8	92.4	30	7.05	— 1	77.5	13	7.17	0	19.8	8
30	12.82	4	25.7	3	31.03	13	95.2	28	7.01	4	78.9	14	7.14	3	20.4	6
Mai 10	12.77	5	25.2	5	30.84	19	97.6	24	6.95	6	80.2	13	7.09	5	20.7	3
20	12.70	7	24.7	5	30.60	24	99.7	21	6.87	8	81.5	13	7.02	7	20.8	1
30	12.61	9	24.1	6	30.33	27	101.3	16	6.77	10	82.7	12	6.94	8	20.8	0
Juni 9	12.52	9	23.5	6	30.03	30	102.4	11	6.67	10	83.7	10	6.84	10	20.5	3
19	12.42	10	22.8	7	29.69	34	103.1	7	6.56	11	84.5	8	6.73	11	20.1	4
29	12.32	10	22.2	6	29.35	34	103.3	2	6.44	12	85.1	6	6.62	11	19.6	5
Juli 9	12.22	10	21.6	6	28.99	36	103.1	— 2	6.33	11	85.5	4	6.51	11	18.9	7
19	12.13	9	21.0	6	28.64	35	102.3	8	6.22	11	85.6	1	6.40	11	18.2	7
29	12.04	9	20.5	5	28.30	34	101.0	13	6.11	11	85.5	— 1	6.30	10	17.3	9
Aug. 8	11.95	9	20.0	5	27.99	31	99.4	16	6.02	9	85.2	3	6.20	10	16.4	9
18	11.89	6	19.6	4	27.71	28	97.3	21	5.94	8	84.6	6	6.12	8	15.4	10
28	11.84	5	19.4	2	27.49	22	95.0	23	5.88	6	83.7	9	6.05	7	14.5	9
Sept. 7	11.82	2	19.4	0	27.33	16	92.4	26	5.84	4	82.6	11	6.01	4	13.6	9
17	11.82	0	19.5	1	27.24	9	89.7	27	5.83	1	81.2	14	6.00	1	12.8	8
27	11.86	4	19.8	3	27.24	0	87.0	27	5.86	— 3	79.6	16	6.03	— 3	12.2	6
Okt. 7	[27] 11.95	9	20.5	7	[28] 27.34	10	84.2	28	[29] 5.94	8	77.6	20	[29] 6.11	8	11.8	4
17	12.07	12	21.4	9	27.53	19	81.8	24	6.05	11	75.5	21	6.22	11	11.8	0
27	12.23	16	22.6	12	27.80	27	79.7	21	6.21	16	73.2	23	6.38	16	12.0	2
Nov. 6	12.44	21	24.0	14	28.16	36	78.1	16	6.41	20	70.7	25	6.59	21	12.6	6
16	12.68	24	25.6	16	28.60	44	76.9	12	6.66	25	68.2	25	6.83	24	13.5	9
26	12.96	28	27.5	19	29.10	50	76.2	7	6.94	28	65.7	25	7.12	29	14.8	13
Dez. 6	13.27	31	29.5	20	29.66	56	76.2	0	7.25	31	63.1	26	7.43	31	16.3	15
16	13.60	33	31.7	22	30.24	58	76.7	5	7.59	34	60.7	24	7.77	34	18.1	18
26	13.93	33	33.8	21	30.83	59	77.9	12	7.94	35	58.5	22	8.11	34	20.1	20
36	14.26	33	36.0	22	31.41	58	79.6	17	8.30	36	56.6	19	8.45	34	22.3	22
Mittl. Ort	11.92		20.1		28.75		82.6		6.01		79.7		6.14		11.9	
	460)				462)				466)				465)			

1908	8 Canum ven. 4^m.3.				β Corvi. 2^m.6.				κ Draconis. 3^m.6.				24 Comae seq. 5^m.1.			
	AR.	Diff.	Dekl. +	Diff.	AR.	Diff.	Dekl. —	Diff.	AR.	Diff.	Dekl. +	Diff.	AR.	Diff.	Dekl. +	Diff.
	$12^h\ 29^m$		$41^\circ\ 50'$		$12^h\ 29^m$		$22^\circ\ 53'$		$12^h\ 29^m$		$70^\circ\ 17'$		$12^h\ 30^m$		$18^\circ\ 52'$	
Jan. 1	21.54	41	78.2	13	32.21	36	3.8	22	32.48	78	30.0	7	29.97	35	59.2	19
11	21.95	39	76.9	9	32.57	32	6.0	23	33.26	76	29.3	—1	30.32	32	57.3	15
21	22.34	36	76.0	3	32.89	30	8.3	24	34.02	71	29.4	6	30.64	31	55.8	12
31	22.70	32	75.7	—2	33.19	27	10.7	24	34.73	63	30.0	12	30.95	27	54.6	8
Febr. 10	23.02	29	75.9	7	33.46	22	13.1	22	35.36	54	31.2	18	31.22	23	53.8	3
20	23.31	23	76.6	12	33.68	19	15.3	22	35.90	44	33.0	23	31.45	19	53.5	0
März 1	23.54	17	77.8	16	33.87	14	17.5	20	36.34	33	35.3	26	31.64	15	53.5	3
11	23.71	12	79.4	19	34.01	11	19.5	18	36.67	20	37.9	28	31.79	11	53.8	6
21	23.83	6	81.3	20	34.12	6	21.3	16	36.87	8	40.7	30	31.90	6	54.4	9
31	23.89	2	83.3	22	34.18	3	22.9	14	36.95	—4	43.7	30	31.96	3	55.3	11
April 10	23.91	—3	85.5	23	34.21	0	24.3	12	36.91	15	46.7	28	31.99	0	56.4	13
20	23.88	7	87.8	21	34.21	3	25.5	9	36.76	24	49.5	27	31.99	3	57.7	12
30	23.81	10	89.9	20	34.18	5	26.4	6	36.52	33	52.2	24	31.96	6	58.9	13
Mai 10	23.71	13	91.9	18	34.13	7	27.0	5	36.19	39	54.6	19	31.90	7	60.2	12
20	23.58	14	93.7	16	34.06	8	27.5	2	35.80	45	56.5	15	31.83	9	61.4	12
30	23.44	16	95.3	11	33.98	11	27.7	0	35.35	48	58.0	11	31.74	10	62.6	9
Juni 9	23.28	17	96.4	9	33.87	11	27.7	3	34.87	49	59.1	5	31.64	11	63.5	9
19	23.11	17	97.3	4	33.76	11	27.4	4	34.38	51	59.6	—1	31.53	11	64.4	6
29	22.94	17	97.7	1	33.65	12	27.0	6	33.87	50	59.5	5	31.42	11	65.0	5
Juli 9	22.77	16	97.8	—3	33.53	13	26.4	8	33.37	47	59.0	11	31.31	11	65.5	2
19	22.61	16	97.5	7	33.40	11	25.6	10	32.90	44	57.9	16	31.20	11	65.7	0
29	22.45	14	96.8	11	33.29	11	24.6	11	32.46	40	56.3	20	31.09	9	65.7	2
Aug. 8	22.31	12	95.7	15	33.18	10	23.5	12	32.06	35	54.3	25	31.00	8	65.5	5
18	22.19	9	94.2	18	33.08	7	22.3	12	31.71	28	51.8	28	30.92	7	65.0	7
28	22.10	7	92.4	21	33.01	5	21.1	11	31.43	20	49.0	32	30.85	4	64.3	10
Sept. 7	22.03	2	90.3	24	32.96	2	20.0	11	31.23	13	45.8	34	30.81	0	63.3	12
17	22.01	—1	87.9	27	32.94	—2	18.9	10	31.10	3	42.4	36	30.81	2	62.1	15
27	22.02	7	85.2	31	32.96	7	17.9	8	31.07	—7	38.8	42	30.83	6	60.6	19
Okt. 7	22.09	11	82.1	30	33.03	12	17.1	5	31.14	17	34.6	38	30.89	11	58.7	20
17	22.20	17	79.1	32	33.15	16	16.6	2	31.31	28	30.8	37	31.00	15	56.7	21
27	22.37	22	75.9	31	33.31	21	16.4	—2	31.59	39	27.1	36	31.15	20	54.6	24
Nov. 6	22.59	27	72.8	32	33.52	25	16.6	5	31.98	49	23.5	34	31.35	24	52.2	24
16	22.86	32	69.6	29	33.77	29	17.1	10	32.47	58	20.1	31	31.59	27	49.8	25
26	23.18	36	66.7	28	34.06	32	18.1	12	33.05	66	17.0	27	31.86	31	47.3	25
Dez. 6	23.54	39	63.9	25	34.38	34	19.3	17	33.71	72	14.3	22	32.17	33	44.8	24
16	23.93	41	61.4	21	34.72	35	21.0	19	34.43	77	12.1	16	32.50	35	42.4	23
26	24.34	41	59.3	16	35.07	35	22.9	21	35.20	78	10.5	10	32.85	34	40.1	20
36	24.75		57.7		35.42		25.0		35.98		9.5		33.19		38.1	
Mittl. Ort	22.57		86.2		33.11		17.1		33.67		42.9		30.96		60.4	
		470)				471)				472)				473)		

1908	α Muscae. $2^m.8$. AR.		Dekl. −		γ Centauri. $2^m.3$. AR.		Dekl. −		76 Ursae maj. $6^m.2$. AR.		Dekl. +		β Crucis. $1^m.4$. AR.		Dekl. −	
	$12^h\ 31^m$		68° 37′		$12^h\ 36^m$		48° 26′		$12^h\ 37^m$		63° 12′		$12^h\ 42^m$		59° 10′	
Jan. 1	40.77	69	18.2	18	25.40	43	56.2	20	31.78	61	53.0	10	19.45	53	45.6	18
11	41.46	66	20.0	22	25.83	42	58.2	23	32.39	60	52.0	3	19.98	51	47.4	22
21	42.12	60	22.2	26	26.25	38	60.5	26	32.99	55	51.7	3	20.49	47	49.6	26
31	42.72	54	24.8	31	26.63	34	63.1	28	33.54	51	52.0	10	20.96	42	52.2	29
Febr. 10	43.26	45	27.9	33	26.97	28	65.9	30	34.05	43	53.0	14	21.38	36	55.1	32
20	43.71	36	31.2	35	27.25	24	68.9	31	34.48	36	54.4	20	21.74	30	58.3	33
März 1	44.07	26	34.7	36	27.49	18	72.0	31	34.84	27	56.4	24	22.04	23	61.6	33
11	44.33	18	38.3	37	27.67	13	75.1	30	35.11	19	58.8	26	22.27	16	64.9	34
21	44.51	8	42.0	35	27.80	8	78.1	28	35.30	8	61.4	28	22.43	10	68.3	33
31	44.59	0	45.5	35	27.88	3	80.9	27	35.38	1	64.2	29	22.53	4	71.6	32
April 10	44.59	8	49.0	33	27.91	1	83.6	25	35.39	8	67.1	28	22.57	2	74.8	29
20	44.51	16	52.3	30	27.90	5	86.1	23	35.31	15	69.9	27	22.55	7	77.7	28
30	44.35	23	55.3	27	27.85	9	88.4	19	35.16	21	72.6	24	22.48	13	80.5	24
Mai 10	44.12	30	58.0	23	27.76	12	90.3	15	34.95	26	75.0	20	22.35	16	82.9	21
20	43.82	35	60.3	19	27.64	15	91.8	13	34.69	30	77.0	17	22.19	21	85.0	17
30	43.47	40	62.2	15	27.49	17	93.1	8	34.39	33	78.7	12	21.98	24	86.7	12
Juni 9	43.07	43	63.7	10	27.32	19	93.9	4	34.06	34	79.9	7	21.74	27	87.9	9
19	42.64	47	64.7	4	27.13	20	94.3	1	33.72	35	80.6	2	21.47	30	88.8	3
29	42.17	47	65.1	0	26.93	21	94.4	4	33.37	35	80.8	3	21.17	30	89.1	1
Juli 9	41.70	48	65.1	6	26.72	22	94.0	8	33.02	34	80.5	8	20.87	31	89.0	5
19	41.22	46	64.5	11	26.50	21	93.2	11	32.68	32	79.7	13	20.56	31	88.5	10
29	40.76	43	63.4	15	26.29	20	92.1	15	32.36	29	78.4	17	20.25	28	87.5	15
Aug. 8	40.33	38	61.9	19	26.09	17	90.6	18	32.07	26	76.7	22	19.97	26	86.0	18
18	39.95	32	60.0	23	25.92	15	88.8	19	31.81	20	74.5	26	19.71	22	84.2	21
28	39.63	25	57.7	26	25.77	11	86.9	22	31.61	16	71.9	29	19.49	17	82.1	23
Sept. 7	39.38	15	55.1	28	25.66	6	84.7	23	31.45	10	69.0	32	19.32	11	79.8	25
17	39.23	4	52.3	28	25.60	0	82.4	22	31.35	3	65.8	35	19.21	4	77.3	26
27	39.19	8	49.5	31	25.60	6	80.2	23	31.32	5	62.3	39	19.17	6	74.7	28
Okt. 7	39.27	19	46.4	26	25.66	13	77.9	19	31.37	13	58.4	37	19.23	14	71.9	23
17	39.46	31	43.8	23	25.79	20	76.0	16	31.50	21	54.7	37	19.37	21	69.6	21
27	39.77	42	41.5	20	25.99	25	74.4	12	31.71	29	51.0	36	19.59	30	67.5	17
Nov. 6	40.19	51	39.5	15	26.24	31	73.2	7	32.00	37	47.4	35	19.89	38	65.8	12
16	40.70	60	38.0	10	26.55	37	72.5	3	32.37	45	43.9	32	20.27	44	64.6	7
26	41.30	66	37.0	3	26.92	41	72.2	2	32.82	51	40.7	28	20.71	49	63.9	2
Dez. 6	41.96	70	36.7	2	27.33	43	72.4	8	33.33	56	37.9	24	21.20	53	63.7	4
16	42.66	73	36.9	8	27.76	44	73.2	13	33.89	59	35.5	19	21.73	55	64.1	10
26	43.39	71	37.7	15	28.20	45	74.5	18	34.48	61	33.6	13	22.28	54	65.1	15
36	44.10		39.2		28.65		76.3		35.09		32.3		22.82		66.6	
Mittl. Ort	41.35		43.5		26.25		76.6		32.99		65.0		20.32		69.3	
	474)				476)				480)				481)			

1908	η Centauri. 4m.4. AR.		Dekl. −		ε Ursae maj. 1m.7. AR.		Dekl. +		δ Virginis. 3m.4. AR.		Dekl. +		12 Can.ven.sq. 2m.8. AR.		Dekl. +	
	12h 48m		39° 40′		12h 49m		56° 27′		12h 50m		3° 53′		12h 51m		38° 48′	
	s		″		s		″		s		″		s		″	
Jan. 1	23.21	39	24.6	20	57.84	52	21.7	13	57.05	33	54.0	21	42.40	40	47.3	17
11	23.60	37	26.6	23	58.36	50	20.4	6	57.38	32	51.9	19	42.80	38	45.6	12
21	23.97	35	28.9	25	58.86	48	19.8	1	57.70	29	50.0	17	43.18	36	44.4	6
31	24.32	32	31.4	26	59.34	44	19.7	6	57.99	27	48.3	15	43.54	33	43.8	1
Febr. 10	24.64	27	34.0	28	59.78	38	20.3	11	58.26	24	46.8	11	43.87	30	43.7	4
20	24.91	23	36.8	27	60.16	32	21.4	16	58.50	20	45.7	8	44.17	24	44.1	9
März 1	25.14	19	39.5	28	60.48	25	23.0	21	58.70	16	44.9	6	44.41	20	45.0	13
11	25.33	14	42.3	26	60.73	18	25.1	24	58.86	12	44.3	2	44.61	14	46.3	17
21	25.47	9	44.9	25	60.91	11	27.5	26	58.98	9	44.1	0	44.75	10	48.0	19
31	25.56	5	47.4	23	61.02	3	30.1	27	59.07	5	44.1	2	44.85	4	49.9	21
April 10	25.61	2	49.7	21	61.05	3	32.8	28	59.12	2	44.3	5	44.89	0	52.0	22
20	25.63	2	51.8	18	61.02	9	35.6	26	59.14	1	44.8	5	44.89	4	54.2	22
30	25.61	6	53.6	16	60.93	14	38.2	24	59.13	3	45.3	7	44.85	7	56.4	21
Mai 10	25.55	8	55.2	13	60.79	18	40.6	21	59.10	4	46.0	7	44.78	10	58.5	18
20	25.47	10	56.5	10	60.61	21	42.7	18	59.06	7	46.7	7	44.68	12	60.3	17
30	25.37	12	57.5	6	60.40	24	44.5	14	58.99	8	47.4	8	44.56	13	62.0	14
Juni 9	25.25	15	58.1	4	60.16	26	45.9	9	58.91	9	48.2	7	44.43	15	63.4	10
19	25.10	15	58.5	0	59.90	27	46.8	5	58.82	10	48.9	7	44.28	16	64.4	7
29	24.95	17	58.5	4	59.63	27	47.3	1	58.72	11	49.6	6	44.12	16	65.1	2
Juli 9	24.78	17	58.1	7	59.36	26	47.2	4	58.61	10	50.2	5	43.96	17	65.3	1
19	24.61	16	57.4	10	59.10	26	46.8	10	58.51	11	50.7	5	43.79	16	65.2	4
29	24.45	17	56.4	12	58.84	23	45.8	14	58.40	10	51.2	3	43.63	14	64.8	9
Aug. 8	24.28	15	55.2	15	58.61	22	44.4	19	58.30	9	51.5	1	43.49	14	63.9	12
18	24.13	12	53.7	17	58.39	18	42.5	22	58.21	8	51.6	0	43.35	11	62.7	15
28	24.01	10	52.0	18	58.21	13	40.3	26	58.13	6	51.6	2	43.24	8	61.2	19
Sept. 7	23.91	5	50.2	18	58.08	9	37.7	30	58.07	3	51.4	3	43.16	5	59.3	22
17	23.86	1	48.4	18	57.99	4	34.7	32	58.04	1	51.1	6	43.11	2	57.1	25
27	23.84	5	46.6	18	57.95	3	31.5	37	58.05	4	50.5	9	43.09	3	54.6	27
Okt. 7	[6] 23.89	11	44.8	15	[6] 57.98	9	27.8	36	58.09	9	49.6	12	43.12	9	51.9	32
17	24.00	16	43.3	12	58.07	16	24.2	36	[7] 58.18	13	48.4	14	[7] 43.21	14	48.7	31
27	24.16	22	42.1	8	58.23	23	20.6	36	58.31	17	47.0	16	43.35	19	45.6	32
Nov. 6	24.38	27	41.3	4	58.46	30	17.0	35	58.48	22	45.4	18	43.54	24	42.4	32
16	24.65	32	40.9	1	58.76	36	13.5	33	58.70	25	43.6	20	43.78	29	39.2	30
26	24.97	36	41.0	4	59.12	42	10.2	30	58.95	29	41.6	22	44.07	33	36.2	30
Dez. 6	25.33	38	41.4	11	59.54	47	7.2	26	59.24	32	39.4	22	44.40	36	33.2	26
16	25.71	40	42.5	14	60.01	50	4.6	21	59.56	33	37.2	22	44.76	39	30.6	23
26	26.11	40	43.9	18	60.51	52	2.5	16	59.89	33	35.0	22	45.15	40	28.3	19
36	26.51		45.7		61.03		0.9		60.22		32.8		45.55		26.4	
Mittl. Ort	24.20		43.4		59.09		32.6		58.12		50.0		43.57		54.2	
	482)				483)				484)				485)			

1908	8 Draconis. 5ᵐ.2. AR.		Dekl. +		ε Virginis. 2ᵐ.8. AR.		Dekl. +		ϑ Virginis. 4ᵐ.3. AR.		Dekl. −		43 Comae. 4ᵐ.2. AR.		Dekl. +	
	$12^h\,51^m$		65° 55′		$12^h\,57^m$		11° 26′		$13^h\,5^m$		5° 2′		$13^h\,7^m$		28° 20′	
Jan. 1	47.59	66	62.6	11	34.71	33	74.0	21	9.97	33	45.7	21	33.66	35	35.6	19
11	48.25	65	61.5	5	35.04	33	71.9	18	10.30	32	47.8	20	34.01	36	33.7	15
21	48.90	62	61.0	3	35.37	30	70.1	15	10.62	30	49.8	19	34.37	33	32.2	11
31	49.52	56	61.3	8	35.67	28	68.6	12	10.92	28	51.7	18	34.70	31	31.1	5
Febr. 10	50.08	50	62.1	14	35.95	25	67.4	8	11.20	25	53.5	15	35.01	27	30.6	2
20	50.58	41	63.5	19	36.20	21	66.6	5	11.45	21	55.0	13	35.28	24	30.4	4
März 1	50.99	33	65.4	24	36.41	16	66.1	1	11.66	17	56.3	10	35.52	19	30.8	7
11	51.32	22	67.8	27	36.57	13	66.0	2	11.83	14	57.3	8	35.71	15	31.5	12
21	51.54	13	70.5	28	36.70	10	66.2	5	11.97	10	58.1	5	35.86	10	32.7	14
31	51.67	3	73.3	30	36.80	5	66.7	6	12.07	7	58.6	3	35.96	7	34.1	16
April 10	51.70	6	76.3	29	36.85	3	67.3	9	12.14	3	58.9	1	36.03	2	35.7	18
20	51.64	15	79.2	28	36.88	0	68.2	10	12.17	1	59.0	0	36.05	0	37.5	18
30	51.49	21	82.0	25	36.88	3	69.2	10	12.18	1	59.0	3	36.05	4	39.3	18
Mai 10	51.28	28	84.5	22	36.85	5	70.2	10	12.17	4	58.7	3	36.01	6	41.1	18
20	51.00	33	86.7	18	36.80	6	71.2	11	12.13	5	58.4	4	35.95	9	42.9	15
30	50.67	36	88.5	13	36.74	8	72.3	9	12.08	7	58.0	5	35.86	10	44.4	14
Juni 9	50.31	39	89.8	9	36.66	10	73.2	9	12.01	9	57.5	5	35.76	11	45.8	11
19	49.92	40	90.7	3	36.56	10	74.1	7	11.92	9	57.0	6	35.65	13	46.9	9
29	49.52	41	91.0	2	36.46	11	74.8	6	11.83	10	56.4	6	35.52	14	47.8	6
Juli 9	49.11	40	90.8	7	36.35	11	75.4	5	11.73	11	55.8	6	35.38	13	48.4	2
19	48.71	38	90.1	12	36.24	11	75.9	2	11.62	11	55.2	6	35.25	14	48.6	0
29	48.33	35	88.9	17	36.13	11	76.1	1	11.51	11	54.6	5	35.11	14	48.6	4
Aug. 8	47.98	32	87.2	22	36.02	9	76.2	1	11.40	10	54.1	5	34.97	12	48.2	7
18	47.66	26	85.0	25	35.93	9	76.1	3	11.30	9	53.6	4	34.85	11	47.5	10
28	47.40	22	82.5	29	35.84	6	75.8	6	11.21	7	53.2	3	34.74	8	46.5	14
Sept. 7	47.18	15	79.6	32	35.78	4	75.2	8	11.14	4	52.9	1	34.66	6	45.1	16
17	47.03	8	76.4	35	35.74	0	74.4	10	11.10	1	52.8	1	34.60	3	43.5	19
27	46.95	1	72.9	36	35.74	3	73.4	13	11.09	2	52.9	3	34.57	2	41.6	22
Okt. 7	46.96	10	69.3	41	35.77	8	72.1	17	11.11	8	53.2	6	34.59	7	39.4	26
17	[7] 47.06	18	65.2	38	[8] 35.85	13	70.4	18	[10] 11.19	12	53.8	8	[11] 34.66	11	36.8	27
27	47.24	28	61.4	38	35.98	17	68.6	20	11.31	16	54.6	11	34.77	16	34.1	27
Nov. 6	47.52	37	57.6	35	36.15	21	66.6	22	11.47	21	55.7	14	34.93	20	31.4	29
16	47.89	45	54.1	34	36.36	25	64.4	22	11.68	25	57.1	16	35.13	26	28.5	29
26	48.34	53	50.7	29	36.61	28	62.2	24	11.93	28	58.7	18	35.39	29	25.6	28
Dez. 6	48.87	59	47.8	26	36.89	32	59.8	24	12.21	32	60.5	20	35.68	33	22.8	27
16	49.46	63	45.2	20	37.21	33	57.4	23	12.53	32	62.5	21	36.01	35	20.1	24
26	50.09	65	43.2	14	37.54	34	55.1	22	12.85	34	64.6	21	36.36	36	17.7	21
36	50.74		41.8		37.88		52.9		13.19		66.7		36.72		15.6	
Mittl. Ort	48.96		74.8		35.83		72.5		11.12		52.9		34.87		39.5	
	486)				488)				490)				492)			

1908	γ Hydrae. 3ᵐ.1. AR.		Dekl. —		ι Centauri. 2ᵐ.9. AR.		Dekl. —		ζ Urs. maj. pr. 2ᵐ.2. AR.		Dekl. +		α Virginis. 1ᵐ.1. AR.		Dekl. —	
	13ʰ 13ᵐ		22° 40′		13ʰ 15ᵐ		36° 13′		13ʰ 20ᵐ		55° 23′		13ʰ 20ᵐ		10° 40′	
Jan. 1	53.86	35	57.7	20	24.01	39	20.3	18	11.93	50	69.9	16	19.42	34	43.6	20
11	54.21	34	59.7	20	24.40	37	22.1	21	12.43	49	68.3	11	19.76	33	45.6	21
21	54.55	32	61.7	22	24.77	36	24.2	22	12.92	48	67.2	4	20.09	31	47.7	20
31	54.87	29	63.9	22	25.13	32	26.4	24	13.40	45	66.8	2	20.40	28	49.7	18
Febr. 10	55.16	27	66.1	21	25.45	29	28.8	25	13.85	40	67.0	8	20.68	26	51.5	18
20	55.43	23	68.2	21	25.74	26	31.3	26	14.25	35	67.8	13	20.94	23	53.3	15
März 1	55.66	19	70.3	19	26.00	21	33.9	24	14.60	29	69.1	18	21.17	19	54.8	13
11	55.85	15	72.2	17	26.21	16	36.3	24	14.89	22	70.9	22	21.36	15	56.1	11
21	56.00	11	73.9	16	26.37	13	38.7	23	15.11	16	73.1	26	21.51	12	57.2	8
31	56.11	8	75.5	13	26.50	9	41.0	21	15.27	8	75.7	27	21.63	8	58.0	7
April 10	56.19	5	76.8	12	26.59	5	43.1	19	15.35	2	78.4	28	21.71	6	58.7	4
20	56.24	2	78.0	9	26.64	1	45.0	17	15.37	4	81.2	27	21.77	2	59.1	2
30	56.26	1	78.9	8	26.65	1	46.7	15	15.33	9	83.9	26	21.79	0	59.3	1
Mai 10	56.25	3	79.7	5	26.64	5	48.2	13	15.24	14	86.5	23	21.79	2	59.4	0
20	56.22	5	80.2	4	26.59	7	49.5	9	15.10	18	88.8	21	21.77	5	59.4	2
30	56.17	8	80.6	1	26.52	9	50.4	7	14.92	21	90.9	17	21.72	6	59.2	3
Juni 9	56.09	9	80.7	0	26.43	12	51.1	4	14.71	24	92.6	13	21.66	7	58.9	4
19	56.00	11	80.7	3	20.31	13	51.5	1	14.47	26	93.9	8	21.59	10	58.5	5
29	55.89	11	80.4	4	26.18	15	51.6	1	14.21	26	94.7	3	21.49	11	58.0	5
Juli 9	55.78	13	80.0	6	26.03	16	51.5	5	13.95	27	95.0	1	21.38	11	57.5	6
19	55.65	13	79.4	7	25.87	16	51.0	8	13.68	27	94.9	6	21.27	12	56.9	6
29	55.52	13	78.7	8	25.71	17	50.2	10	13.41	26	94.3	11	21.15	11	56.3	6
Aug. 8	55.39	12	77.9	10	25.54	15	49.2	12	13.15	24	93.2	15	21.04	11	55.7	6
18	55.27	11	76.9	10	25.39	14	48.0	14	12.91	22	91.7	20	20.93	10	55.1	6
28	55.16	8	75.9	10	25.25	11	46.6	15	12.69	18	89.7	24	20.83	9	54.5	5
Sept. 7	55.08	6	74.9	10	25.14	8	45.1	16	12.51	14	87.3	28	20.74	6	54.0	4
17	55.02	2	73.9	9	25.06	4	43.5	16	12.37	10	84.5	30	20.68	2	53.6	2
27	55.00	1	73.0	7	25.02	1	41.9	14	12.27	3	81.5	33	20.66	1	53.4	1
Okt. 7	55.01	7	72.3	6	25.03	7	40.5	15	12.24	3	78.2	39	20.67	6	53.3	3
17	13 55.08	12	71.7	3	13 25.10	12	39.0	10	13 12.27	10	74.3	36	13 20.73	10	53.6	4
27	55.20	17	71.4	0	25.22	19	38.0	8	12.37	17	70.7	37	20.83	16	54.0	7
Nov. 6	55.37	22	71.4	4	25.41	23	37.2	4	12.54	25	67.0	36	20.99	20	54.7	10
16	55.59	26	71.8	7	25.64	29	36.8	1	12.79	31	63.4	35	21.19	24	55.7	13
26	55.85	30	72.5	11	25.93	33	36.9	4	13.10	37	59.9	33	21.43	28	57.0	16
Dez. 6	56.15	32	73.6	14	26.26	36	37.3	9	13.47	42	56.6	29	21.71	31	58.6	18
16	56.47	35	75.0	16	26.62	38	38.2	12	13.89	47	53.7	24	22.02	32	60.4	19
26	56.82	35	76.6	19	27.00	39	39.4	16	14.36	49	51.3	20	22.34	34	62.3	21
36	57.17		78.5		27.39		41.0		14.85		49.3		22.68		64.4	
Mittl. Ort	55.06		71.1		25.25		38.0		13.40		80.3		20.67		52.8	
	495)				496)				497)				498)			

1908	Gr. 2001. $6^m.2$.				69 H. Urs. maj. $5^m.5$.				ζ Virginis. $3^m.3$.				17 H. Can. ven. $4^m.9$.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. —		AR.		Dekl. +	
	$13^h 23^m$		72° 51′		$13^h 25^m$		60° 24′		$13^h 29^m$		0° 7′		$13^h 30^m$		37° 38′	
Jan. 1	45.28	84	56.2	14	3.02	55	63.7	16	58.96	33	27.3	21	40.02	38	66.3	20
11	46.12	86	54.8	7	3.57	55	62.1	10	59.29	32	29.4	20	40.40	38	64.3	16
21	46.98	84	54.1	0	4.12	54	61.1	3	59.61	31	31.4	18	40.78	37	62.7	10
31	47.82	79	54.1	7	4.66	50	60.8	— 3	59.92	29	33.2	16	41.15	35	61.7	4
Febr. 10	48.61	72	54.8	12	5.16	46	61.1	9	60.21	26	34.8	13	41.50	31	61.3	0
20	49.33	62	56.0	18	5.62	40	62.0	14	60.47	23	36.1	11	41.81	28	61.3	6
März 1	49.95	51	57.8	23	6.02	33	63.4	20	60.70	20	37.2	8	42.09	23	61.9	11
11	50.46	38	60.1	26	6.35	26	65.4	23	60.90	16	38.0	4	42.32	19	63.0	15
21	50.84	26	62.7	30	6.61	17	67.7	27	61.06	12	38.4	3	42.51	14	64.5	18
31	51.10	11	65.7	30	6.78	10	70.4	28	61.18	9	38.7	— 1	42.65	9	66.3	20
April 10	51.21	— 2	68.7	30	6.88	2	73.2	29	61.27	6	38.6	2	42.74	5	68.3	22
20	51.19	14	71.7	30	6.90	— 5	76.1	28	61.33	4	38.4	4	42.79	1	70.5	23
30	51.05	25	74.7	28	6.85	11	78.9	27	61.37	0	38.0	5	42.80	— 3	72.8	22
Mai 10	50.80	36	77.5	24	6.74	17	81.6	25	61.37	1	37.5	6	42.77	6	75.0	21
20	50.44	43	79.9	21	6.57	22	84.1	21	61.36	4	36.9	6	42.71	9	77.1	19
30	50.01	51	82.0	16	6.35	26	86.2	17	61.32	6	36.3	7	42.62	11	79.0	16
Juni 9	49.50	56	83.6	12	6.09	29	87.9	13	61.26	7	35.6	7	42.51	13	80.6	14
19	48.94	60	84.8	6	5.80	31	89.2	8	61.19	9	34.9	6	42.38	15	82.0	10
29	48.34	61	85.4	1	5.49	32	90.0	4	61.10	10	34.3	6	42.23	16	83.0	6
Juli 9	47.73	62	85.5	— 5	5.17	33	90.4	— 2	61.00	11	33.7	6	42.07	17	83.6	3
19	47.11	61	85.0	10	4.84	33	90.2	7	60.89	12	33.1	5	41.90	17	83.9	— 1
29	46.50	59	84.0	15	4.51	32	89.5	11	60.77	12	32.6	4	41.73	17	83.8	5
Aug. 8	45.91	54	82.5	19	4.19	29	88.4	17	60.65	11	32.2	3	41.56	16	83.3	9
18	45.37	49	80.6	25	3.90	27	86.7	21	60.54	10	31.9	2	41.40	15	82.4	13
28	44.88	42	78.1	28	3.63	23	84.6	25	60.44	9	31.7	0	41.25	12	81.1	17
Sept. 7	44.46	34	75.3	32	3.40	18	82.1	28	60.35	6	31.7	1	41.13	10	79.4	20
17	44.12	25	72.1	35	3.22	13	79.3	32	60.29	4	31.8	4	41.03	6	77.4	23
27	43.87	14	68.6	36	3.09	6	76.1	34	60.25	0	32.2	5	40.97	2	75.1	26
Okt. 7	43.73	2	65.0	42	3.03	— 1	72.7	40	60.25	4	32.7	9	40.95	— 3	72.5	28
17	[15] 43.71	— 11	60.8	39	[16] 3.04	10	68.7	38	60.29	10	33.6	12	40.98	9	69.7	33
27	43.82	23	56.9	39	3.14	17	64.9	38	[17] 60.39	14	34.8	13	[17] 41.07	13	66.4	32
Nov. 6	44.05	37	53.0	38	3.31	25	61.1	37	60.53	18	36.1	16	41.20	19	63.2	33
16	44.42	48	49.2	35	3.56	34	57.4	35	60.71	23	37.7	18	41.39	25	59.9	32
26	44.90	60	45.7	32	3.90	40	53.9	33	60.94	27	39.5	20	41.64	29	56.7	32
Dez. 6	45.50	69	42.5	28	4.30	46	50.6	29	61.21	29	41.5	20	41.93	33	53.5	29
16	46.19	78	39.7	23	4.76	51	47.7	25	61.50	32	43.5	22	42.26	36	50.6	26
26	46.97	83	37.4	17	5.27	54	45.2	20	61.82	33	45.7	21	42.62	38	48.0	23
36	47.80		35.7		5.81		43.2		62.15		47.8		43.00		45.7	
Mittl. Ort	47.23		68.7		4.60		74.8		60.26		32.9		41.40		72.6	
	499)				500)				501)				502)			

1908	ε Centauri. 2ᵐ.4. AR.		Dekl. —		τ Bootis. 4ᵐ.5. AR.		Dekl. +		η Ursae maj. 1ᵐ.8. AR.		Dekl. +		89 Virginis. 5ᵐ.2. AR.		Dekl. —	
	13ʰ 34ᵐ		52° 59′		13ʰ 42ᵐ		17° 54′		13ʰ 43ᵐ		49° 45′		13ʰ 44ᵐ		17° 40′	
Jan. 1	1.57	48	34.5	16	52.04	33	53.6	22	53.46	44	71.0	20	50.82	34	22.5	19
11	2.05	48	36.1	20	52.37	34	51.4	19	53.90	44	69.0	15	51.16	34	24.4	20
21	2.53	46	38.1	24	52.71	32	49.5	15	54.34	44	67.5	8	51.50	32	26.4	20
31	2.99	43	40.5	26	53.03	31	48.0	12	54.78	41	66.7	2	51.82	31	28.4	19
Febr. 10	3.42	38	43.1	29	53.34	28	46.8	7	55.19	38	66.5	—3	52.13	28	30.3	18
20	3.80	34	46.0	29	53.62	24	46.1	3	55.57	34	66.8	10	52.41	25	32.1	18
März 1	4.14	29	48.9	30	53.86	22	45.8	—1	55.91	28	67.8	14	52.66	21	33.9	16
11	4.43	24	51.9	30	54.08	17	45.9	5	56.19	23	69.2	19	52.87	18	35.5	14
21	4.67	19	54.9	29	54.25	14	46.4	8	56.42	18	71.1	23	53.05	15	36.9	12
31	4.86	14	57.8	28	54.39	10	47.2	11	56.60	11	73.4	25	53.20	11	38.1	10
April 10	5.00	8	60.6	25	54.49	7	48.3	12	56.71	6	75.9	26	53.31	8	39.1	8
20	5.08	3	63.1	24	54.56	3	49.5	14	56.77	1	78.5	27	53.39	5	39.9	7
30	5.11	—1	65.5	21	54.59	1	50.9	15	56.78	—4	81.2	26	53.44	3	40.6	5
Mai 10	5.10	5	67.6	18	54.60	—2	52.4	14	56.74	8	83.8	24	53.47	—1	41.1	3
20	5.05	9	69.4	15	54.58	4	53.8	14	56.66	13	86.2	22	53.46	3	41.4	1
30	4.96	14	70.9	12	54.54	6	55.2	13	56.53	16	88.4	19	53.43	4	41.5	0
Juni 9	4.82	17	72.1	7	54.48	9	56.5	12	56.37	18	90.3	16	53.39	7	41.5	1
19	4.65	20	72.8	4	54.39	10	57.7	10	56.19	20	91.9	11	53.32	9	41.4	2
29	4.45	22	73.2	0	54.29	11	58.7	8	55.99	22	93.0	7	53.23	11	41.2	4
Juli 9	4.23	25	73.2	4	54.18	12	59.5	5	55.77	24	93.7	2	53.12	11	40.8	4
19	3.98	25	72.8	8	54.06	13	60.0	3	55.53	23	93.9	—2	53.01	13	40.4	6
29	3.73	25	72.0	11	53.93	13	60.3	1	55.30	24	93.7	7	52.88	13	39.8	7
Aug. 8	3.48	25	70.9	15	53.80	13	60.4	—2	55.06	22	93.0	12	52.75	13	39.1	7
18	3.23	22	69.4	18	53.67	12	60.2	5	54.84	21	91.8	16	52.62	12	38.4	7
28	3.01	20	67.6	19	53.55	11	59.7	8	54.63	19	90.2	20	52.50	11	37.7	7
Sept. 7	2.81	15	65.7	21	53.44	8	58.9	10	54.44	15	88.2	24	52.39	8	37.0	7
17	2.66	9	63.6	22	53.36	5	57.9	14	54.29	11	85.8	27	52.31	5	36.3	6
27	2.57	3	61.4	21	53.31	2	56.5	15	54.18	6	83.1	30	52.26	1	35.7	4
Okt. 7	2.54	—4	59.3	20	53.29	—2	55.0	19	54.12	1	80.1	33	52.25	—3	35.3	2
17	2.58	12	57.3	20	53.31	8	53.1	23	54.11	—6	76.8	38	52.28	9	35.1	1
27	2.70	20	55.3	15	53.39	12	50.8	23	54.17	12	73.0	36	52.37	13	35.0	—3
Nov. 6	2.90	27	53.8	10	53.51	16	48.5	25	54.29	19	69.4	36	52.50	18	35.3	5
16	3.17	34	52.8	6	53.67	22	46.0	26	54.48	25	65.8	36	52.68	23	35.8	9
26	3.51	39	52.2	1	53.89	26	43.4	27	54.73	31	62.2	33	52.91	27	36.7	11
Dez. 6	3.90	45	52.1	—3	54.15	29	40.7	26	55.04	37	58.9	32	53.18	31	37.8	14
16	4.35	47	52.4	9	54.44	32	38.1	25	55.41	40	55.7	27	53.49	32	39.2	17
26	4.82	48	53.3	14	54.76	33	35.6	23	55.81	43	53.0	23	53.81	34	40.9	18
36	5.30		54.7		55.09		33.3		56.24		50.7		54.15		42.7	
Mittl. Ort	3.11		56.1		53.42		54.0		55.02		79.9		52.23		34.1	
	504)				507)				509)				510)			

1908	ζ Centauri. 2ᵐ.6. AR.	Diff.	Dekl. —	Diff.	η Bootis. 2ᵐ.8. AR.	Diff.	Dekl. +	Diff.	τ Virginis. 4ᵐ.2. AR.	Diff.	Dekl. +	Diff.	11 Bootis. 6ᵐ.3. AR.	Diff.	Dekl. +	Diff.
	13ʰ 49ᵐ		46° 49′		13ʰ 50ᵐ		18° 51′		13ʰ 56ᵐ		1° 59′		13ʰ 56ᵐ		27° 49′	
Jan. 1	46ˢ.03	44	48″.6	12	16ˢ.82	34	30″.3	22	56ˢ.36	32	26″.7	21	58ˢ.74	34	47″.1	23
11	46.47	44	49.8	16	17.16	33	28.1	19	56.68	33	24.6	20	59.08	35	44.8	19
21	46.91	42	51.4	19	17.49	33	26.2	16	57.01	31	22.6	18	59.43	35	42.9	14
31	47.33	39	53.3	22	17.82	31	24.6	11	57.32	30	20.8	16	59.78	33	41.5	10
Febr. 10	47.72	37	55.5	24	18.13	29	23.5	7	57.62	28	19.2	13	60.11	30	40.5	4
20	48.09	33	57.9	25	18.42	25	22.8	3	57.90	25	17.9	9	60.41	27	40.1	0
März 1	48.42	28	60.4	26	18.67	22	22.5	0	58.15	22	17.0	7	60.68	24	40.1	5
11	48.70	24	63.0	27	18.89	19	22.5	6	58.37	18	16.3	4	60.92	20	40.6	10
21	48.94	19	65.7	26	19.08	14	23.1	8	58.55	15	15.9	1	61.12	15	41.6	13
31	49.13	15	68.3	26	19.22	11	23.9	11	58.70	12	15.8	2	61.27	12	42.9	15
April 10	49.28	11	70.9	24	19.33	8	25.0	13	58.82	9	16.0	4	61.39	8	44.4	18
20	49.39	6	73.3	23	19.41	4	26.3	14	58.91	6	16.4	5	61.47	5	46.2	19
30	49.45	2	75.6	21	19.45	1	27.7	15	58.97	3	16.9	7	61.52	1	48.1	19
Mai 10	49.47	2	77.7	19	19.46	1	29.2	16	59.00	0	17.6	7	61.53	1	50.0	19
20	49.45	5	79.6	16	19.45	4	30.8	14	59.00	2	18.3	8	61.52	5	51.9	18
30	49.40	9	81.2	13	19.41	6	32.2	14	58.98	4	19.1	8	61.47	7	53.7	17
Juni 9	49.31	12	82.5	10	19.35	8	33.6	12	58.94	6	19.9	8	61.40	10	55.4	14
19	49.19	16	83.5	7	19.27	9	34.8	10	58.88	8	20.7	7	61.30	11	56.8	12
29	49.03	17	84.2	3	19.18	12	35.8	8	58.80	9	21.4	6	61.19	13	58.0	9
Juli 9	48.86	20	84.5	0	19.06	12	36.6	5	58.71	11	22.0	6	61.06	14	58.9	5
19	48.66	22	84.5	4	18.94	13	37.1	4	58.60	12	22.6	5	60.92	15	59.4	3
29	48.44	21	84.1	7	18.81	14	37.5	0	58.48	13	23.1	4	60.77	15	59.7	1
Aug. 8	48.23	22	83.4	10	18.67	13	37.5	2	58.35	12	23.5	3	60.62	15	59.6	5
18	48.01	20	82.4	14	18.54	12	37.3	5	58.23	12	23.8	1	60.47	14	59.1	7
28	47.81	17	81.0	16	18.42	12	36.8	8	58.11	10	23.9	1	60.33	13	58.4	11
Sept. 7	47.64	14	79.4	17	18.30	9	36.0	11	58.01	9	23.8	3	60.20	11	57.3	15
17	47.50	10	77.7	19	18.21	6	34.9	13	57.92	6	23.5	4	60.09	8	55.8	17
27	47.40	5	75.8	19	18.15	2	33.6	16	57.86	2	23.1	7	60.01	4	54.1	21
Okt. 7	47.35	2	73.9	18	18.13	1	32.0	19	57.84	1	22.4	9	59.97	0	52.0	23
17	47.37	10	72.1	19	18.14	7	30.1	24	57.85	7	21.5	13	59.97	6	49.7	28
27	[22] 47.47	16	70.2	14	[23] 18.21	12	27.7	24	[24] 57.92	11	20.2	14	[24] 60.03	10	46.9	28
Nov. 6	47.63	23	68.8	12	18.33	16	25.3	25	58.03	16	18.8	17	60.13	15	44.1	30
16	47.86	29	67.6	7	18.49	21	22.8	27	58.19	20	17.1	18	60.28	21	41.1	30
26	48.15	35	66.9	3	18.70	24	20.1	27	58.39	25	15.3	20	60.49	25	38.1	30
Dez. 6	48.50	38	66.6	1	18.94	29	17.4	27	58.64	28	13.3	22	60.74	29	35.1	29
16	48.88	42	66.7	5	19.23	32	14.7	25	58.92	30	11.1	22	61.03	32	32.2	27
26	49.30	44	67.2	10	19.55	33	12.2	24	59.22	33	8.9	21	61.35	35	29.5	24
36	49.74		68.2		19.88		9.8		59.55		6.8		61.70		27.1	
Mittl. Ort	47.67		68.7		18.25		31.0		57.81		21.8		60.22		50.4	
	512)				513)				516)				517)			

1908	β Centauri. 1^m. AR.		Dekl. —		ϑ Centauri. $2^m.1$. AR.		Dekl. —		α Draconis. $3^m.4$. AR.		Dekl. +		d Bootis. $4^m.9$. AR.		Dekl. +	
	$13^h 57^m$		59° 55′		$14^h 1^m$		35° 55′		$14^h 1^m$		64° 48′		$14^h 6^m$		25° 31′	
	s		″		s		″		s		″		s		″	
Jan. 1	17.38	56	23.6	7	14.20	38	46.7	14	51.86	59	44.5	20	10.70	33	35.3	23
11	17.94	57	24.3	13	14.58	38	48.1	16	52.45	61	42.5	14	11.03	35	33.0	20
21	18.51	55	25.6	17	14.96	38	49.7	19	53.06	62	41.1	7	11.38	34	31.0	15
31	19.06	52	27.3	21	15.34	35	51.6	21	53.68	59	40.4	0	11.72	32	29.5	11
Febr. 10	19.58	48	29.4	24	15.69	33	53.7	21	54.27	55	40.4	6	12.04	31	28.4	5
20	20.06	43	31.8	26	16.02	29	55.8	23	54.82	51	41.0	12	12.35	27	27.9	1
März 1	20.49	38	34.4	28	16.31	26	58.1	22	55.33	43	42.2	17	12.62	24	27.8	— 3
11	20.87	32	37.2	30	16.57	23	60.3	22	55.76	35	43.9	23	12.86	20	28.1	8
21	21.19	27	40.2	30	16.80	18	62.5	21	56.11	27	46.2	26	13.06	17	28.9	12
31	21.46	20	43.2	31	16.98	15	64.6	20	56.38	18	48.8	28	13.23	13	30.1	14
April 10	21.66	14	46.3	30	17.13	10	66.6	18	56.56	9	51.6	30	13.36	9	31.5	17
20	21.80	8	49.3	29	17.23	8	68.4	18	56.65	1	54.6	30	13.45	5	33.2	18
30	21.88	2	52.2	27	17.31	4	70.2	15	56.66	— 8	57.6	30	13.50	3	35.0	18
Mai 10	21.90	— 3	54.9	25	17.35	1	71.7	13	56.58	15	60.6	27	13.53	— 1	36.8	19
20	21.87	9	57.4	22	17.36	— 3	73.0	12	56.43	22	63.3	24	13.52	3	38.7	18
30	21.78	15	59.6	19	17.33	5	74.2	9	56.21	28	65.7	22	13.49	6	40.5	16
Juni 9	21.63	19	61.5	16	17.28	8	75.1	6	55.93	33	67.9	16	13.43	9	42.1	14
19	21.44	24	63.1	11	17.20	11	75.7	5	55.60	36	69.5	12	13.34	10	43.5	12
29	21.20	27	64.2	8	17.09	14	76.2	1	55.24	39	70.7	8	13.24	12	44.7	9
Juli 9	20.93	30	65.0	3	16.95	15	76.3	— 1	54.85	41	71.5	2	13.12	14	45.6	7
19	20.63	32	65.3	— 1	16.80	16	76.2	4	54.44	42	71.7	— 3	12.98	14	46.3	3
29	20.31	33	65.2	6	16.64	18	75.8	6	54.02	42	71.4	9	12.84	15	46.6	1
Aug. 8	19.98	33	64.6	9	16.46	17	75.2	9	53.60	41	70.5	13	12.69	15	46.7	— 3
18	19.65	30	63.7	14	16.29	17	74.3	10	53.19	38	69.2	18	12.54	15	46.4	7
28	19.35	27	62.3	18	16.12	15	73.3	12	52.81	35	67.4	23	12.39	13	45.7	10
Sept. 7	19.08	22	60.5	20	15.97	12	72.1	14	52.46	30	65.1	27	12.26	11	44.7	13
17	18.86	16	58.5	22	15.85	8	70.7	13	52.16	24	62.4	30	12.15	8	43.4	16
27	18.70	10	56.3	24	15.77	4	69.4	14	51.92	17	59.4	34	12.07	5	41.8	19
Okt. 7	18.60	1	53.9	23	15.73	0	68.0	13	51.75	10	56.0	36	12.02	1	39.9	22
17	18.59	— 8	51.6	25	15.73	6	66.7	12	51.65	0	52.4	42	12.01	— 4	37.7	25
27	18.67	17	49.1	21	15.79	13	65.5	9	51.65	9	48.2	39	12.05	10	35.2	29
Nov. 6	18.84	26	47.0	18	15.92	18	64.6	6	51.74	19	44.3	38	12.15	14	32.3	28
16	19.10	35	45.2	14	16.10	23	64.0	2	51.93	28	40.5	38	12.29	20	29.5	30
26	19.45	42	43.8	10	16.33	29	63.8	— 2	52.21	37	36.7	35	12.49	24	26.5	29
Dez. 6	19.87	48	42.8	5	16.62	33	64.0	4	52.58	45	33.2	33	12.73	28	23.6	29
16	20.35	52	42.3	0	16.95	36	64.4	10	53.03	53	29.9	28	13.01	31	20.7	27
26	20.87	56	42.3	5	17.31	38	65.4	12	53.56	57	27.1	23	13.32	34	18.0	25
36	21.43		42.8		17.69		66.6		54.13		24.8		13.66		15.5	
Mittl. Ort	19.38		46.3		15.83		3.7		53.86		55.5		12.22		37.9	
	518)				520)				521)				522)			

1908	κ Virginis. 4ᵐ.2. AR.		Dekl. −		4 Ursae min. 5ᵐ.0. AR.		Dekl. +		ι Virginis. 4ᵐ.0. AR.		Dekl. −		α Bootis. 1ᵐ. AR.		Dekl. +	
	14ʰ 7ᵐ		9° 50′		14ʰ 9ᵐ		77° 58′		14ʰ 11ᵐ		5° 33′		14ʰ 11ᵐ		19° 39′	
Jan. 1	57.64	34	36.3	19	8.41	107	35.6	18	9.76	32	35.5	20	26.34	33	39.1	23
11	57.98	32	38.2	19	9.48	113	33.8	13	10.08	33	37.5	20	26.67	33	36.8	21
21	58.30	32	40.1	18	10.61	116	32.5	5	10.41	32	39.5	18	27.00	33	34.7	17
31	58.62	31	41.9	18	11.77	113	32.0	—2	10.73	30	41.3	17	27.33	31	33.0	13
Febr. 10	58.93	29	43.7	16	12.90	107	32.2	8	11.03	29	43.0	15	27.64	29	31.7	8
20	59.22	25	45.3	14	13.97	97	33.0	13	11.32	26	44.5	12	27.93	27	30.9	4
März 1	59.47	23	46.7	11	14.94	85	34.3	20	11.58	22	45.7	11	28.20	23	30.5	—1
11	59.70	20	47.8	10	15.79	68	36.3	24	11.80	20	46.8	7	28.43	20	30.6	4
21	59.90	16	48.8	7	16.47	52	38.7	28	12.00	17	47.5	5	28.63	17	31.0	8
31	60.06	14	49.5	5	16.99	33	41.5	30	12.17	13	48.0	3	28.80	13	31.8	11
April 10	60.20	10	50.0	3	17.32	14	44.5	31	12.30	11	48.3	1	28.93	9	32.9	13
20	60.30	7	50.3	2	17.46	—5	47.6	31	12.41	7	48.4	—2	29.02	7	34.2	15
30	60.37	5	50.5	0	17.41	22	50.7	30	12.48	5	48.2	2	29.09	3	35.7	15
Mai 10	60.42	2	50.5	1	17.19	39	53.7	27	12.53	2	48.0	3	29.12	0	37.2	16
20	60.44	—1	50.4	3	16.80	53	56.4	25	12.55	—1	47.7	4	29.12	2	38.8	15
30	60.43	3	50.1	3	16.27	66	58.9	20	12.54	3	47.3	5	29.10	5	40.3	15
Juni 9	60.40	5	49.8	4	15.61	77	60.9	16	12.51	5	46.8	6	29.05	8	41.8	13
19	60.35	8	49.4	4	14.84	86	62.5	12	12.46	7	46.2	5	28.97	9	43.1	11
29	60.27	9	49.0	4	13.98	91	63.7	6	12.39	9	45.7	5	28.88	11	44.2	8
Juli 9	60.18	11	48.6	5	13.07	95	64.3	0	12.30	11	45.2	5	28.77	12	45.0	7
19	60.07	12	48.1	6	12.12	97	64.3	5	12.19	12	44.7	6	28.65	14	45.7	3
29	59.95	13	47.5	5	11.15	96	63.8	10	12.07	12	44.1	4	28.51	15	46.0	1
Aug. 8	59.82	13	47.0	5	10.19	93	62.8	15	11.95	13	43.7	4	28.36	14	46.1	—2
18	59.69	13	46.5	4	9.26	87	61.3	20	11.82	13	43.3	3	28.22	14	45.9	4
28	59.56	11	46.1	4	8.39	81	59.3	25	11.69	12	43.0	2	28.08	13	45.5	8
Sept. 7	59.45	10	45.7	3	7.58	70	56.8	28	11.57	9	42.8	1	27.95	11	44.7	11
17	59.35	6	45.4	1	6.88	60	54.0	32	11.48	7	42.7	—1	27.84	9	43.6	14
27	59.29	4	45.3	0	6.28	45	50.8	35	11.41	4	42.8	2	27.75	5	42.2	16
Okt. 7	59.25	—1	45.3	2	5.83	30	47.3	38	11.37	—1	43.0	5	27.70	1	40.6	20
17	59.26	5	45.5	4	5.53	14	43.5	39	11.38	4	43.5	7	27.69	—3	38.6	22
27	59.31	11	45.9	7	5.39	—5	39.6	43	11.42	11	44.2	10	27.72	10	36.4	27
Nov. 6	59.42	16	46.6	10	5.44	25	35.3	39	11.53	15	45.2	12	27.82	14	33.7	26
16	59.58	20	47.6	12	5.69	43	31.4	37	11.68	20	46.4	15	27.96	19	31.1	27
26	59.78	25	48.8	14	6.12	60	27.7	35	11.88	24	47.9	17	28.15	23	28.4	28
Dez. 6	60.03	28	50.2	17	6.72	77	24.2	31	12.12	27	49.6	18	28.38	27	25.6	28
16	60.31	30	51.9	17	7.49	92	21.1	27	12.39	31	51.4	19	28.65	30	22.8	27
26	60.61	33	53.6	19	8.41	103	18.4	22	12.70	31	53.3	20	28.95	32	20.1	25
36	60.94		55.5		9.44		16.2		13.01		55.3		29.27		17.6	
Mittl. Ort	59.17		44.9		11.56		47.4		11.30		42.8		27.87		39.9	
	523)				524)				525)				526)			

1908	λ Bootis. $4^m.0$				ϑ Bootis. $3^m.9$				ρ Bootis. $3^m.7$				γ Bootis. $2^m.9$			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	$14^h\ 12^m$		46° 30′		$14^h\ 22^m$		52° 16′		$14^h\ 27^m$		30° 46′		$14^h\ 28^m$		38° 42′	
	s		″		s		″		s		″		s		″	
Jan. 1	51.53	40	30.0	23	2.07	43	24.0	23	50.26	34	25.9	24	20.73	36	31.6	24
11	51.93	41	27.7	18	2.50	45	21.7	19	50.60	35	23.5	20	21.09	37	29.2	21
21	52.34	42	25.9	12	2.95	45	19.8	12	50.95	36	21.5	16	21.46	38	27.1	15
31	52.76	40	24.7	7	3.40	45	18.6	6	51.31	34	19.9	11	21.84	36	25.6	9
Febr. 10	53.16	38	24.0	0	3.85	42	18.0	0	51.65	32	18.8	6	22.20	35	24.7	4
20	53.54	34	24.0	6	4.27	38	18.0	7	51.97	30	18.2	1	22.55	32	24.3	— 2
März 1	53.88	30	24.6	11	4.65	34	18.7	12	52.27	26	18.1	— 5	22.87	28	24.5	8
11	54.18	25	25.7	16	4.99	29	19.9	17	52.53	23	18.6	10	23.15	25	25.3	12
21	54.43	20	27.3	21	5.28	23	21.6	22	52.76	19	19.6	13	23.40	20	26.5	17
31	54.63	16	29.4	23	5.51	18	23.8	25	52.95	15	20.9	17	23.60	16	28.2	20
April 10	54.79	9	31.7	25	5.69	11	26.3	27	53.10	12	22.6	19	23.76	11	30.2	22
20	54.88	5	34.2	27	5.80	6	29.0	28	53.22	7	24.5	21	23.87	8	32.4	24
30	54.93	0	36.9	26	5.86	0	31.8	28	53.29	4	26.6	21	23.95	3	34.8	25
Mai 10	54.93	3	39.5	26	5.86	5	34.6	27	53.33	1	28.7	22	23.98	0	37.3	24
20	54.90	8	42.1	23	5.81	9	37.3	25	53.34	— 2	30.9	20	23.98	4	39.7	23
30	54.82	12	44.4	22	5.72	14	39.8	22	53.32	6	32.9	19	23.94	7	42.0	21
Juni 9	54.70	15	46.6	18	5.58	18	42.0	19	53.26	8	34.8	17	23.87	11	44.1	18
19	54.55	17	48.4	14	5.40	20	43.9	15	53.18	11	36.5	14	23.76	13	45.9	16
29	54.38	20	49.8	10	5.20	24	45.4	11	53.07	13	37.9	11	23.63	16	47.5	11
Juli 9	54.18	21	50.8	6	4.96	25	46.5	6	52.94	14	39.0	8	23.47	17	48.6	8
19	53.97	23	51.4	1	4.71	27	47.1	1	52.80	16	39.8	5	23.30	19	49.4	4
29	53.74	23	51.5	— 3	4.44	28	47.2	— 3	52.64	17	40.3	1	23.11	20	49.8	0
Aug. 8	53.51	23	51.2	8	4.16	27	46.9	8	52.47	18	40.4	— 3	22.91	19	49.8	4
18	53.28	22	50.4	12	3.89	26	46.1	13	52.29	17	40.1	7	22.72	20	49.4	9
28	53.06	20	49.2	17	3.63	25	44.8	18	52.12	15	39.4	10	22.52	18	48.5	13
Sept. 7	52.86	18	47.5	20	3.38	22	43.0	22	51.97	14	38.4	14	22.34	17	47.2	17
17	52.68	14	45.5	24	3.16	18	40.8	25	51.83	12	37.0	17	22.17	13	45.5	20
27	52.54	9	43.1	28	2.98	13	38.3	30	51.71	8	35.3	21	22.04	10	43.5	24
Okt. 7	52.45	5	40.3	31	2.85	8	35.3	32	51.63	4	33.2	24	21.94	5	41.1	27
17	52.40	— 1	37.2	33	2.77	2	32.1	35	51.59	— 1	30.8	26	21.89	0	38.4	30
27	52.41	8	33.9	38	2.75	— 6	28.6	40	51.60	7	28.2	32	21.89	6	35.4	35
Nov. 6	52.49	14	30.1	36	2.81	12	24.6	37	51.67	12	25.0	30	21.95	12	31.9	34
16	52.63	20	26.5	36	2.93	20	20.9	38	51.79	17	22.0	32	22.07	17	28.5	34
26	52.83	27	22.9	35	3.13	27	17.1	36	51.96	22	18.8	31	22.24	23	25.1	34
Dez. 6	53.10	31	19.4	32	3.40	33	13.5	33	52.18	27	15.7	31	22.47	28	21.7	32
16	53.41	36	16.2	30	3.73	37	10.2	31	52.45	31	12.6	29	22.75	32	18.5	30
26	53.77	39	13.2	26	4.10	42	7.1	27	52.76	33	9.7	26	23.07	36	15.5	28
36	54.16		10.6		4.52		4.4		53.09		7.1		23.43		12.7	
Mittl. Ort	53.22		37.7		3.91		32.6		51.92		29.7		22.43		37.3	
	527)				531)				534)				535)			

1908	η Centauri. 2ᵐ.5. AR.		Dekl. —		α Centauri. 1ᵐ. AR.		Dekl. —		α Apodis. 3ᵐ.8. AR.		Dekl. —		ζ Bootis m. 3ᵐ.6. AR.		Dekl. +	
	14ʰ 29ᵐ		41° 44′		14ʰ 33ᵐ		60° 27′		14ʰ 36ᵐ		78° 38′		14ʰ 36ᵐ		14° 7′	
Jan. 1	37.68	41	57.1	9	18.04	55	12.0	3	18.43	128	54.1	3	43.65	33	22.1	23
11	38.09	41	58.0	12	18.59	56	12.3	8	19.71	130	53.8	— 2	43.98	31	19.8	21
21	38.50	41	59.2	16	19.15	56	13.1	13	21.01	132	54.0	8	44.29	32	17.7	18
31	38.91	39	60.8	18	19.71	55	14.4	16	22.33	127	54.8	14	44.61	32	15.9	14
Febr. 10	39.30	37	62.6	20	20.26	51	16.0	20	23.60	123	56.2	18	44.93	30	14.5	10
20	39.67	34	64.6	20	20.77	48	18.0	23	24.83	114	58.0	23	45.23	28	13.5	7
März 1	40.01	30	66.6	22	21.25	43	20.3	25	25.97	104	60.3	26	45.51	24	12.8	2
11	40.31	28	68.8	22	21.68	38	22.8	27	27.01	92	62.9	29	45.75	22	12.6	— 2
21	40.59	23	71.0	22	22.06	32	25.5	29	27.93	78	65.8	32	45.97	19	12.8	6
31	40.82	19	73.2	21	22.38	27	28.4	29	28.71	63	69.0	33	46.16	15	13.4	8
April 10	41.01	16	75.3	21	22.65	20	31.3	29	29.34	48	72.3	34	46.31	13	14.2	11
20	41.17	12	77.4	20	22.85	15	34.2	28	29.82	32	75.7	35	46.44	9	15.3	13
30	41.29	8	79.4	18	23.00	8	37.0	28	30.14	15	79.2	33	46.53	6	16.6	14
Mai 10	41.37	4	81.2	16	23.08	3	39.8	26	30.29	— 1	82.5	33	46.59	3	18.0	14
20	41.41	0	82.8	15	23.11	— 4	42.4	25	30.28	18	85.8	31	46.62	1	19.4	15
30	41.41	3	84.3	13	23.07	10	44.9	21	30.10	34	88.9	29	46.63	— 2	20.9	14
Juni 9	41.38	7	85.6	10	22.97	15	47.0	19	29.76	49	91.8	25	46.61	5	22.3	13
19	41.31	10	86.6	8	22.82	21	48.9	15	29.27	63	94.3	21	46.56	7	23.6	11
29	41.21	13	87.4	6	22.61	26	50.4	12	28.64	74	96.4	17	46.49	10	24.7	10
Juli 9	41.08	16	88.0	2	22.35	30	51.6	7	27.90	85	98.1	12	46.39	11	25.7	8
19	40.92	19	88.2	— 1	22.05	33	52.3	3	27.05	92	99.3	8	46.28	13	26.5	5
29	40.73	19	88.1	4	21.72	35	52.6	— 1	26.13	96	100.1	1	46.15	14	27.0	4
Aug. 8	40.54	20	87.7	6	21.37	35	52.5	6	25.17	98	100.2	— 4	46.01	14	27.4	1
18	40.34	20	87.1	10	21.02	35	51.9	10	24.19	95	99.8	9	45.87	15	27.5	— 2
28	40.14	18	86.1	12	20.67	33	50.9	13	23.24	88	98.9	14	45.72	13	27.3	4
Sept. 7	39.96	16	84.9	13	20.34	29	49.6	18	22.36	78	97.5	19	45.59	12	26.9	8
17	39.80	13	83.6	15	20.05	23	47.8	19	21.58	64	95.6	23	45.47	10	26.1	9
27	39.67	8	82.1	15	19.82	16	45.9	22	20.94	48	93.3	26	45.37	7	25.2	13
Okt. 7	39.59	3	80.6	15	19.66	9	43.7	23	20.46	28	90.7	28	45.30	3	23.9	15
17	39.56	— 4	79.1	15	19.57	— 1	41.4	24	20.18	7	87.9	28	45.27	— 1	22.4	18
27	39.60	11	77.6	14	19.58	11	39.0	24	20.11	— 19	85.1	32	45.28	7	20.6	22
Nov. 6	39.71	16	76.2	10	19.69	20	36.6	19	20.30	40	81.9	27	45.35	11	18.4	23
16	39.87	23	75.2	7	19.89	29	34.7	17	20.70	62	79.2	25	45.46	17	16.1	24
26	40.10	29	74.5	4	20.18	37	33.0	13	21.32	81	76.7	21	45.63	21	13.7	26
Dez. 6	40.39	34	74.1	0	20.55	44	31.7	9	22.13	99	74.6	16	45.84	25	11.1	25
16	40.73	37	74.1	3	20.99	50	30.8	5	23.12	112	73.0	11	46.09	28	8.6	26
26	41.10	40	74.4	8	21.49	55	30.3	— 1	24.24	123	71.9	6	46.37	31	6.0	24
36	41.50		75.2		22.04		30.4		25.47		71.3		46.68		3.6	
Mittl. Ort	39.63		74.8		20.58		33.7		23.50		78.0		45.30		21.1	
	537)				538)				542)				543)			

1908	μ Virginis. $3^m.9$. AR.		Dekl. —		109 Virginis. $3^m.7$. AR.		Dekl. +		α Librae. $2^m.7$. AR.		Dekl. —		Gr. 2164. $5^m.8$. AR.		Dekl. +	
	$14^h 38^m$		5° 15′		$14^h 41^m$		2° 16′		$14^h 45^m$		15° 39′		$14^h 49^m$		59° 39′	
	s		″		s		″		s		″		s		″	
Jan. 1	10.92	31	24.3	20	34.11	32	52.9	21	45.41	32	25.7	16	4.02	47	54.3	26
11	11.23	33	26.3	18	34.43	32	50.8	20	45.73	33	27.3	17	4.49	50	51.7	20
21	11.56	32	28.1	18	34.75	31	48.8	18	46.06	34	29.0	17	4.99	52	49.7	14
31	11.88	31	29.9	17	35.06	31	47.0	16	46.40	32	30.7	17	5.51	52	48.3	7
Febr. 10	12.19	30	31.6	14	35.37	30	45.4	12	46.72	30	32.4	15	6.03	50	47.6	1
20	12.49	27	33.0	12	35.67	27	44.2	10	47.02	29	33.9	15	6.53	47	47.5	— 5
März 1	12.76	25	34.2	9	35.94	25	43.2	7	47.31	26	35.4	13	7.00	42	48.0	12
11	13.01	22	35.1	7	36.19	22	42.5	3	47.57	23	36.7	11	7.42	38	49.2	18
21	13.23	19	35.8	5	36.41	19	42.2	0	47.80	20	37.8	9	7.80	31	51.0	22
31	13.42	16	36.3	2	36.60	16	42.2	2	48.00	18	38.7	8	8.11	24	53.2	26
April 10	13.58	13	36.5	0	36.76	13	42.4	5	48.18	14	39.5	6	8.35	17	55.8	28
20	13.71	10	36.5	2	36.89	10	42.9	6	48.32	12	40.1	4	8.52	10	58.6	30
30	13.81	7	36.3	3	36.99	7	43.5	8	48.44	8	40.5	3	8.62	3	61.6	30
Mai 10	13.88	5	36.0	4	37.06	4	44.3	8	48.52	6	40.8	2	8.65	— 4	64.6	29
20	13.93	2	35.6	5	37.10	2	45.1	9	48.58	3	41.0	1	8.61	10	67.5	28
30	13.95	— 1	35.1	5	37.12	— 1	46.0	9	48.61	0	41.1	— 1	8.51	16	70.3	25
Juni 9	13.94	4	34.6	5	37.11	3	46.9	9	48.61	3	41.0	1	8.35	21	72.8	22
19	13.90	6	34.1	6	37.08	7	47.8	8	48.58	5	40.9	2	8.14	25	75.0	18
29	13.84	8	33.5	5	37.01	8	48.6	8	48.53	9	40.7	2	7.89	30	76.8	13
Juli 9	13.76	10	33.0	5	36.93	10	49.4	6	48.44	10	40.5	3	7.59	33	78.1	10
19	13.66	12	32.5	5	36.83	12	50.0	5	48.34	12	40.2	4	7.26	35	79.1	3
29	13.54	13	32.0	5	36.71	13	50.5	4	48.22	13	39.8	4	6.91	36	79.4	— 1
Aug. 8	13.41	13	31.5	4	36.58	14	50.9	3	48.09	15	39.4	5	6.55	37	79.3	7
18	13.28	14	31.1	2	36.44	14	51.2	2	47.94	14	38.9	4	6.18	36	78.6	11
28	13.14	13	30.9	2	36.30	13	51.4	— 1	47.80	14	38.5	5	5.82	35	77.5	16
Sept. 7	13.01	12	30.7	1	36.17	12	51.3	2	47.66	13	38.0	4	5.47	32	75.9	21
17	12.89	9	30.6	— 1	36.05	9	51.1	5	47.53	10	37.6	4	5.15	28	73.8	25
27	12.80	6	30.7	3	35.96	7	50.6	6	47.43	7	37.2	3	4.87	22	71.3	29
Okt. 7	12.74	2	31.0	5	35.89	2	50.0	9	47.36	3	36.9	1	4.65	17	68.4	33
17	12.72	— 2	31.5	7	35.87	— 1	49.1	11	47.33	— 2	36.8	0	4.48	9	65.1	35
27	12.74	8	32.2	10	35.88	7	48.0	15	47.35	6	36.8	3	4.39	2	61.6	37
Nov. 6	12.82	13	33.2	11	35.95	12	46.5	16	47.41	13	37.1	5	4.37	— 8	57.9	42
16	12.95	17	34.3	14	36.07	16	44.9	19	47.54	17	37.6	7	4.45	16	53.7	39
26	13.12	22	35.7	16	36.23	21	43.0	19	47.71	23	38.3	10	4.61	24	49.8	38
Dez. 6	13.34	25	37.3	18	36.44	25	41.1	21	47.94	26	39.3	12	4.85	32	46.0	35
16	13.59	29	39.1	19	36.69	28	39.0	22	48.20	29	40.5	14	5.17	39	42.5	33
26	13.88	31	41.0	20	36.97	30	36.8	21	48.49	32	41.9	16	5.56	44	39.2	28
36	14.19		43.0		37.27		34.7		48.81		43.5		6.00		36.4	
Mittl. Ort	12.61		31.2		35.80		48.4		47.19		35.6		6.20		63.3	
	545)				547)				548)				549)			

1908	β Ursae min. 2^m.0.				P. XIV, 221. 6^m.0.				β Lupi. 2^m.7.				β Bootis. 3^m.3.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. +	
	14^h 50^m		74° 31′		14^h 51^m		14° 48′		14^h 52^m		42° 45′		14^h 58^m		40° 44′	
	s		″		s		″		s		″		s		″	
Jan. 1	54.63	78	43.2	24	50.93	31	64.3	23	27.87	40	32.7	7	26.95	35	65.4	27
11	55.41	85	40.8	19	51.24	32	62.0	22	28.27	42	33.4	10	27.30	37	62.7	22
21	56.26	90	38.9	12	51.56	32	59.8	18	28.69	41	34.4	13	27.67	38	60.5	18
31	57.16	91	37.7	5	51.88	32	58.0	14	29.10	41	35.7	15	28.05	37	58.7	12
Febr. 10	58.07	88	37.2	— 2	52.20	30	56.6	11	29.51	38	37.2	17	28.42	37	57.5	5
20	58.95	84	37.4	8	52.50	28	55.5	6	29.89	37	38.9	19	28.79	34	57.0	0
März 1	59.79	75	38.2	14	52.78	26	54.9	2	30.26	33	40.8	20	29.13	31	57.0	6
11	60.54	66	39.6	20	53.04	23	54.7	— 1	30.59	30	42.8	21	29.44	28	57.6	11
21	61.20	54	41.6	25	53.27	20	54.8	6	30.89	27	44.9	21	29.72	24	58.7	16
31	61.74	40	44.1	27	53.47	17	55.4	9	31.16	22	47.0	20	29.96	19	60.3	20
April 10	62.14	26	46.8	31	53.64	14	56.3	11	31.38	19	49.0	20	30.15	15	62.3	22
20	62.40	13	49.9	31	53.78	10	57.4	13	31.57	15	51.0	20	30.30	11	64.5	25
30	62.53	— 2	53.0	31	53.88	8	58.7	15	31.72	11	53.0	19	30.41	7	67.0	26
Mai 10	62.51	16	56.1	30	53.96	4	60.2	15	31.83	8	54.9	17	30.48	2	69.6	26
20	62.35	28	59.1	27	54.00	2	61.7	15	31.91	3	56.6	16	30.50	— 1	72.2	25
30	62.07	40	61.8	25	54.02	— 1	63.2	15	31.94	— 1	58.2	14	30.49	5	74.7	23
Juni 9	61.67	51	64.3	22	54.01	4	64.7	14	31.93	5	59.6	12	30.44	9	77.0	21
19	61.16	59	66.5	17	53.97	6	66.1	12	31.88	8	60.8	9	30.35	13	79.1	18
29	60.57	66	68.2	12	53.91	9	67.3	11	31.80	12	61.7	7	30.22	15	80.9	14
Juli 9	59.91	72	69.4	7	53.82	11	68.4	8	31.68	15	62.4	4	30.07	17	82.3	11
19	59.19	75	70.1	2	53.71	13	69.2	7	31.53	18	62.8	2	29.90	20	83.4	6
29	58.44	77	70.3	— 4	53.58	14	69.9	4	31.35	20	63.0	— 2	29.70	21	84.0	3
Aug. 8	57.67	77	69.9	9	53.44	15	70.3	1	31.15	21	62.8	5	29.49	22	84.3	— 2
18	56.90	76	69.0	14	53.29	15	70.4	— 1	30.94	21	62.3	7	29.27	22	84.1	7
28	56.14	72	67.6	18	53.14	15	70.3	4	30.73	20	61.6	10	29.05	22	83.4	11
Sept. 7	55.42	66	65.8	24	52.99	13	69.9	7	30.53	18	60.6	12	28.83	20	82.3	15
17	54.76	59	63.4	28	52.86	11	69.2	10	30.35	15	59.4	14	28.63	17	80.8	19
27	54.17	50	60.6	31	52.75	8	68.2	12	30.20	11	58.0	15	28.46	13	78.9	22
Okt. 7	53.67	39	57.5	34	52.67	5	67.0	15	30.09	5	56.5	15	28.33	10	76.7	27
17	53.28	26	54.1	37	52.62	0	65.5	18	30.04	0	55.0	15	28.23	5	74.0	29
27	53.02	12	50.4	39	52.62	4	63.7	20	30.04	7	53.5	14	28.18	— 1	71.1	32
Nov. 6	52.90	— 4	46.5	43	52.66	11	61.7	25	30.11	16	52.1	13	28.19	8	67.9	37
16	[7] 52.94	19	42.2	39	[7] 52.77	14	59.2	25	[7] 30.27	20	50.8	9	[9] 28.27	14	64.2	35
26	53.13	34	38.3	37	52.91	20	56.7	25	30.47	26	49.9	6	28.41	19	60.7	35
Dez. 6	53.47	49	34.6	35	53.11	24	54.2	26	30.73	32	49.3	2	28.60	25	57.2	34
16	53.96	63	31.1	32	53.35	27	51.6	26	31.05	37	49.1	— 1	28.85	30	53.8	32
26	54.59	73	27.9	27	53.62	30	49.0	25	31.42	39	49.2	5	29.15	33	50.6	29
36	55.32		25.2		53.92		46.5		31.81		49.7		29.48		47.7	
Mittl. Ort	57.84		53.4		52.65		63.5		30.04		49.8		28.83		70.9	
	550)				551)				552)				555)			

1908	γ Scorpii. 3m.4.				ψ Bootis. 4m.5.				ζ Lupi. 3m.4.				γ Triang. austr. 2m.9.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. −	
	14h 58m		24° 55′		15h 0m		27° 18′		15h 5m		51° 44′		15h 10m		68° 20′	
Jan. 1	39.01s	33	3.0″	13	28.41s	32	19.0″	26	37.59s	46	40.0″	2	14.76s	69	4.3″	5
11	39.34	35	4.3	14	28.73	33	16.4	22	38.05	47	40.2	6	15.45	73	3.8	0
21	39.69	35	5.7	15	29.06	33	14.2	19	38.52	48	40.8	10	16.18	75	3.8	5
31	40.04	34	7.2	15	29.39	34	12.3	13	39.00	47	41.8	12	16.93	74	4.3	10
Febr. 10	40.38	33	8.7	16	29.73	32	11.0	9	39.47	45	43.0	16	17.67	72	5.3	14
20	40.71	30	10.3	16	30.05	31	10.1	3	39.92	43	44.6	18	18.39	69	6.7	19
März 1	41.01	28	11.9	15	30.36	27	9.8	— 2	40.35	40	46.4	21	19.08	65	8.6	21
11	41.29	26	13.4	14	30.63	25	10.0	6	40.75	37	48.5	21	19.73	59	10.7	24
21	41.55	22	14.8	13	30.88	22	10.6	11	41.12	32	50.6	23	20.32	52	13.1	27
31	41.77	20	16.1	12	31.10	18	11.7	14	41.44	28	52.9	24	20.84	45	15.8	28
April 10	41.97	16	17.3	11	31.28	15	13.1	18	41.72	24	55.3	23	21.29	38	18.6	30
20	42.13	14	18.4	10	31.43	11	14.9	19	41.96	19	57.6	24	21.67	29	21.6	29
30	42.27	10	19.4	8	31.54	8	16.8	21	42.15	15	60.0	23	21.96	21	24.5	30
Mai 10	42.37	8	20.2	7	31.62	4	18.9	21	42.30	9	62.3	22	22.17	12	27.5	30
20	42.45	4	20.9	6	31.66	1	21.0	21	42.39	5	64.5	20	22.29	4	30.5	28
30	42.49	1	21.5	4	31.67	— 2	23.1	19	42.44	— 1	66.5	19	22.33	— 5	33.3	26
Juni 9	42.50	— 2	21.9	4	31.65	6	25.0	18	42.43	5	68.4	17	22.28	14	35.9	24
19	42.48	5	22.3	2	31.59	8	26.8	16	42.38	10	70.1	14	22.14	22	38.3	21
29	42.43	8	22.5	1	31.51	11	28.4	13	42.28	15	71.5	11	21.92	29	40.4	17
Juli 9	42.35	11	22.6	— 1	31.40	13	29.7	11	42.13	18	72.6	8	21.63	37	42.1	13
19	42.24	13	22.5	2	31.27	15	30.8	7	41.95	22	73.4	4	21.26	41	43.4	9
29	42.11	14	22.3	3	31.12	16	31.5	3	41.73	24	73.8	1	20.85	46	44.3	4
Aug. 8	41.97	16	22.0	5	30.96	18	31.8	1	41.49	26	73.9	— 3	20.39	49	44.7	— 1
18	41.81	16	21.5	5	30.78	18	31.9	— 4	41.23	27	73.6	6	19.90	49	44.6	5
28	41.65	15	21.0	6	30.60	17	31.5	7	40.96	26	73.0	10	19.41	47	44.1	10
Sept. 7	41.50	15	20.4	7	30.43	15	30.8	10	40.70	23	72.0	13	18.94	44	43.1	15
17	41.35	12	19.7	7	30.28	14	29.8	15	40.47	20	70.7	16	18.50	37	41.6	18
27	41.23	8	19.0	7	30.14	11	28.3	17	40.27	15	69.1	17	18.13	30	39.8	22
Okt. 7	41.15	4	18.3	6	30.03	7	26.6	21	40.12	10	67.4	19	17.83	20	37.6	24
17	41.11	0	17.7	5	29.96	2	24.5	24	40.02	2	65.5	19	17.63	9	35.2	25
27	41.11	6	17.2	3	29.94	— 2	22.1	26	40.00	— 5	63.6	18	17.54	— 3	32.7	25
Nov. 6	41.17	12	16.9	2	29.96	9	19.5	31	40.05	15	61.8	18	17.57	16	30.2	27
16	[9] 41.29	17	16.7	— 1	[9] 30.05	14	16.4	31	[11] 40.20	21	60.0	15	[12] 17.73	27	27.5	23
26	41.46	22	16.8	4	30.19	18	13.3	31	40.41	28	58.5	11	18.00	39	25.2	20
Dez. 6	41.68	26	17.2	7	30.37	24	10.2	30	40.69	35	57.4	8	18.39	50	23.2	16
16	41.94	31	17.9	9	30.61	27	7.2	30	41.04	40	56.6	5	18.89	59	21.6	12
26	42.25	33	18.8	12	30.88	30	4.2	27	41.44	44	56.1	0	19.48	66	20.4	6
36	42.58		20.0		31.18		1.5		41.88		56.1		20.14		19.8	
Mittl. Ort	40.94		15.2		30.20		21.5		40.14		58.4		18.51		25.1	
	556)				557)				558)				560)			

1908	δ Bootis. 3ᵐ.2. AR.		Dekl. +		β Librae. 2ᵐ.5. AR.		Dekl. —		1 H. Urs. min. 5ᵐ.3. AR.		Dekl. +		φ¹ Lupi. 3ᵐ.5. AR.		Dekl. —	
	15ʰ 11ᵐ		33° 39′		15ʰ 12ᵐ		9° 2′		15ʰ 13ᵐ		67° 41′		15ʰ 15ᵐ		35° 55′	
Jan. 1	45.75	32	23.7	27	1.39	31	30.7	17	31.97	55	36.4	27	55.65	36	26.8	7
11	46.07	34	21.0	23	1.70	31	32.4	17	32.52	61	33.7	22	56.01	38	27.5	9
21	46.41	35	18.7	19	2.01	33	34.1	17	33.13	64	31.5	16	56.39	38	28.4	12
31	46.76	35	16.8	14	2.34	31	35.8	16	33.77	65	29.9	10	56.77	38	29.6	14
Febr. 10	47.11	34	15.4	8	2.65	31	37.4	14	34.42	65	28.9	3	57.15	36	31.0	15
20	47.45	32	14.6	3	2.96	29	38.8	12	35.07	62	28.6	5	57.51	35	32.5	16
März 1	47.77	30	14.3	3	3.25	27	40.0	10	35.69	58	29.1	10	57.86	33	34.1	16
11	48.07	27	14.6	8	3.52	24	41.0	7	36.27	52	30.1	16	58.19	29	35.7	16
21	48.34	23	15.4	13	3.76	22	41.7	6	36.79	43	31.7	22	58.48	27	37.3	17
31	48.57	20	16.7	17	3.98	20	42.3	3	37.22	35	33.9	26	58.75	24	39.0	16
April 10	48.77	16	18.4	20	4.18	16	42.6	1	37.57	26	36.5	28	58.99	20	40.6	16
20	48.93	13	20.4	22	4.34	14	42.7	0	37.83	17	39.3	30	59.19	17	42.2	15
30	49.06	8	22.6	23	4.48	11	42.7	1	38.00	7	42.3	31	59.36	13	43.7	14
Mai 10	49.14	5	24.9	23	4.59	8	42.6	3	38.07	3	45.4	31	59.49	10	45.1	13
20	49.19	1	27.2	24	4.67	5	42.3	3	38.04	12	48.5	30	59.59	7	46.4	12
30	49.20	2	29.6	22	4.72	2	42.0	4	37.92	21	51.5	27	59.66	2	47.6	11
Juni 9	49.18	6	31.8	20	4.74	1	41.6	5	37.71	28	54.2	24	59.68	1	48.7	9
19	49.12	9	33.8	18	4.73	4	41.1	4	37.43	35	56.6	19	59.67	5	49.6	8
29	49.03	11	35.6	15	4.69	6	40.7	4	37.08	41	58.5	16	59.62	8	50.4	6
Juli 9	48.92	14	37.1	12	4.63	9	40.3	5	36.67	46	60.1	11	59.54	12	51.0	4
19	48.78	17	38.3	8	4.54	11	39.8	4	36.21	50	61.2	6	59.42	15	51.4	2
29	48.61	19	39.1	4	4.43	13	39.4	4	35.71	52	61.8	1	59.27	17	51.6	1
Aug. 8	48.42	19	39.5	0	4.30	15	39.0	4	35.19	53	61.9	5	59.10	18	51.5	4
18	48.23	20	39.5	4	4.15	15	38.6	3	34.66	53	61.4	10	58.92	19	51.1	5
28	48.03	20	39.1	7	4.00	14	38.3	2	34.13	52	60.4	14	58.73	19	50.6	7
Sept. 7	47.83	18	38.4	12	3.86	14	38.1	2	33.61	48	59.0	20	58.54	18	49.9	9
17	47.65	16	37.2	16	3.72	11	37.9	1	33.13	44	57.0	24	58.36	15	49.0	10
27	47.49	13	35.6	19	3.61	9	37.8	1	32.69	39	54.6	29	58.21	11	48.0	11
Okt. 7	47.36	9	33.7	23	3.52	6	37.9	2	32.30	30	51.7	32	58.10	7	46.9	11
17	47.27	5	31.4	27	3.46	1	38.1	4	32.00	22	48.5	35	58.03	2	45.8	11
27	47.22	0	28.7	28	3.45	4	38.5	6	31.78	12	45.0	37	58.01	4	44.7	10
Nov. 6	47.22	7	25.9	34	3.49	10	39.1	10	31.66	1	41.3	42	58.05	11	43.7	10
16	[12] 47.29	12	22.5	33	[12] 3.59	14	40.1	10	[13] 31.65	10	37.1	40	[13] 58.16	17	42.7	6
26	47.41	18	19.2	33	3.73	19	41.1	13	31.75	22	33.1	39	58.33	22	42.1	3
Dez. 6	47.59	22	15.9	33	3.92	23	42.4	15	31.97	32	29.2	37	58.55	27	41.8	0
16	47.81	27	12.6	31	4.15	26	43.9	16	32.29	43	25.5	34	58.82	32	41.8	2
26	48.08	31	9.5	29	4.41	31	45.5	17	32.72	51	22.1	30	59.14	35	42.0	6
36	48.39		6.6		4.72		47.2		33.23		19.1		59.49		42.6	
Mittl. Ort	47.62		27.5		3.27		38.1		34.72		45.4		57.86		41.2	
	563)				564)				565)				566)			

1908	γ Ursae min. $3^m.0$. AR.		Dekl. +		μ Bootis. $4^m.1$. AR.		Dekl. +		ι Draconis. $3^m.2$. AR.		Dekl. +		β Coron. bor. $3^m.7$. AR.		Dekl. +	
	$15^h\ 20^m$		$72°\ 9'$		$15^h\ 20^m$		$37°\ 41'$		$15^h\ 22^m$		$59°\ 16'$		$15^h\ 24^m$		$29°\ 25'$	
Jan. 1	48.82 s	63	31.9 "	27	58.93 s	32	53.5 "	28	50.51 s	43	69.4 "	29	0.24 s	30	18.1 "	27
11	49.45	71	29.2	23	59.25	35	50.7	24	50.94	47	66.5	23	0.54	33	15.4	24
21	50.16	76	26.9	16	59.60	35	48.3	19	51.41	49	64.2	18	0.87	34	13.0	20
31	50.92	79	25.3	9	59.95	37	46.4	14	51.90	51	62.4	12	1.21	33	11.0	15
Febr. 10	51.71	78	24.4	3	60.32	35	45.0	8	52.41	50	61.2	5	1.54	33	9.5	10
20	52.49	76	24.1	4	60.67	34	44.2	3	52.91	49	60.7	1	1.87	32	8.5	4
März 1	53.25	71	24.5	10	61.01	31	43.9	4	53.40	45	60.8	8	2.19	29	8.1	1
11	53.96	63	25.5	17	61.32	29	44.3	8	53.85	41	61.6	15	2.48	27	8.2	6
21	54.59	54	27.2	21	61.61	25	45.1	14	54.26	35	63.1	19	2.75	24	8.8	11
31	55.13	44	29.3	26	61.86	21	46.5	18	54.61	30	65.0	24	2.99	20	9.9	15
April 10	55.57	32	31.9	29	62.07	18	48.3	21	54.91	22	67.4	27	3.19	17	11.4	18
20	55.89	20	34.8	30	62.25	13	50.4	24	55.13	16	70.1	29	3.36	14	13.2	20
30	56.09	8	37.8	32	62.38	9	52.8	25	55.29	9	73.0	30	3.50	10	15.2	22
Mai 10	56.17	4	41.0	31	62.47	6	55.3	25	55.38	2	76.0	31	3.60	7	17.4	22
20	56.13	16	44.1	30	62.53	2	57.8	26	55.40	4	79.1	29	3.67	3	19.6	23
30	55.97	26	47.1	27	62.55	3	60.4	23	55.36	11	82.0	28	3.70	1	21.9	22
Juni 9	55.71	37	49.8	25	62.52	6	62.7	22	55.25	17	84.8	25	3.69	3	24.1	20
19	55.34	44	52.3	20	62.46	9	64.9	20	55.08	22	87.3	21	3.66	7	26.1	17
29	54.90	53	54.3	16	62.37	13	66.9	16	54.86	27	89.4	18	3.59	11	27.8	16
Juli 9	54.37	59	55.9	12	62.24	16	68.5	13	54.59	31	91.2	13	3.48	13	29.4	12
19	53.78	64	57.1	6	62.08	18	69.8	9	54.28	34	92.5	8	3.35	15	30.6	9
29	53.14	67	57.7	1	61.90	20	70.7	4	53.94	36	93.3	3	3.20	17	31.5	5
Aug. 8	52.47	69	57.8	4	61.70	21	71.1	1	53.58	38	93.6	2	3.03	18	32.0	2
18	51.78	68	57.4	9	61.49	22	71.2	3	53.20	38	93.4	7	2.85	19	32.2	2
28	51.10	67	56.5	15	61.27	22	70.9	8	52.82	38	92.7	12	2.66	19	32.0	6
Sept. 7	50.43	63	55.0	19	61.05	20	70.1	13	52.44	36	91.5	17	2.47	18	31.4	9
17	49.80	58	53.1	24	60.85	18	68.8	16	52.08	32	89.8	22	2.29	16	30.5	14
27	49.22	50	50.7	28	60.67	15	67.2	20	51.76	28	87.6	25	2.13	14	29.1	17
Okt. 7	48.72	42	47.9	32	60.52	12	65.2	24	51.48	23	85.1	30	1.99	10	27.4	20
17	48.30	32	44.7	34	60.40	7	62.8	27	51.25	16	82.1	33	1.89	5	25.4	24
27	47.98	20	41.3	37	60.33	1	60.1	30	51.09	8	78.8	36	1.84	1	23.0	27
Nov. 6	47.78	7	37.6	42	60.32	5	57.1	35	51.01	0	75.2	41	1.83	6	20.3	32
16	[14]47.71	8	33.4	40	[11]60.37	11	53.6	34	[15]51.01	9	71.1	39	[15]1.89	11	17.1	30
26	47.79	22	29.4	37	60.48	16	50.2	34	51.10	17	67.2	38	2.00	16	14.1	32
Dez. 6	48.01	34	25.7	38	60.64	22	46.8	34	51.27	26	63.4	37	2.16	21	10.9	32
16	48.35	47	21.9	35	60.86	27	43.4	33	51.53	33	59.7	35	2.37	25	7.7	30
26	48.82	58	18.4	30	61.13	30	40.1	30	51.86	39	56.2	32	2.62	29	4.7	28
36	49.40		15.4		61.43		37.1		52.25		53.0		2.91		1.9	
Mittl. Ort	52.03		40.9		60.88		58.0		52.90		77.2		2.14		20.7	
	569)				568				571				572)			

1908	ν¹ Bootis. 4^m.8. AR.		Dekl. +		γ Lupi. 2^m.9. AR.		Dekl. —		γ Librae. 4^m.1. AR.		Dekl. —		α Coron. bor. 2^m.2. AR.		Dekl. +	
	15^h 27^m		41° 8′		15^h 28^m		40° 51′		15^h 30^m		14° 28′		15^h 30^m		27° 1′	
Jan. 1	35^s.46	32	41″.8	29	57^s.91	37	14″.0	4	20^s.66	30	51″.0	14	45^s.62	30	23″.9	27
11	35.78	35	38.9	25	58.28	39	14.4	7	20.96	32	52.4	15	45.92	31	21.2	24
21	36.13	37	36.4	20	58.67	40	15.1	9	21.28	33	53.9	15	46.23	33	18.8	20
31	36.50	37	34.4	14	59.07	41	16.0	11	21.61	32	55.4	14	46.56	34	16.8	15
Febr. 10	36.87	37	33.0	9	59.48	39	17.1	14	21.93	32	56.8	14	46.90	32	15.3	11
20	37.24	36	32.1	2	59.87	37	18.5	15	22.25	30	58.2	12	47.22	31	14.2	5
März 1	37.60	33	31.9	— 4	60.24	36	20.0	16	22.55	28	59.4	11	47.53	30	13.7	0
11	37.93	30	32.3	9	60.60	32	21.6	16	22.83	26	60.5	9	47.83	27	13.7	5
21	38.23	26	33.2	15	60.92	30	23.2	17	23.09	24	61.4	7	48.10	24	14.2	9
31	38.49	23	34.7	18	61.22	27	24.9	17	23.33	21	62.1	5	48.34	21	15.1	14
April 10	38.72	19	36.5	23	61.49	23	26.6	18	23.54	19	62.6	4	48.55	17	16.5	17
20	38.91	14	38.8	24	61.72	19	28.4	17	23.73	15	63.0	3	48.72	15	18.2	19
30	39.05	10	41.2	26	61.91	16	30.1	17	23.88	14	63.3	1	48.87	10	20.1	21
Mai 10	39.15	6	43.8	27	62.07	12	31.8	16	24.02	10	63.4	0	48.97	8	22.2	21
20	39.21	2	46.5	26	62.19	9	33.4	14	24.12	7	63.4	1	49.05	4	24.3	22
30	39.23	— 2	49.1	25	62.28	3	34.8	14	24.19	4	63.3	1	49.09	1	26.5	21
Juni 9	39.21	7	51.6	24	62.31	0	36.2	12	24.23	1	63.2	2	49.10	— 3	28.6	20
19	39.14	10	54.0	20	62.31	4	37.4	10	24.24	— 3	63.0	2	49.07	6	30.6	18
29	39.04	14	56.0	17	62.27	9	38.4	9	24.21	5	62.8	2	49.01	9	32.4	15
Juli 9	38.90	17	57.7	13	62.18	12	39.3	6	24.16	9	62.6	3	48.92	12	33.9	12
19	38.73	19	59.0	10	62.06	15	39.9	3	24.07	11	62.3	3	48.80	14	35.1	10
29	38.54	22	60.0	5	61.91	19	40.2	1	23.96	13	62.0	3	48.66	17	36.1	6
Aug. 8	38.32	23	60.5	1	61.72	20	40.3	— 1	23.83	14	61.7	3	48.49	18	36.7	2
18	38.09	23	60.6	— 3	61.52	21	40.2	4	23.69	15	61.4	3	48.31	18	36.9	— 1
28	37.86	24	60.3	8	61.31	21	39.8	7	23.54	16	61.1	3	48.13	19	36.8	5
Sept. 7	37.62	22	59.5	13	61.10	20	39.1	9	23.38	15	60.8	3	47.94	17	36.3	9
17	37.40	20	58.2	16	60.90	17	38.2	11	23.23	13	60.5	3	47.77	16	35.4	12
27	37.20	17	56.6	21	60.73	14	37.1	12	23.10	10	60.2	1	47.61	14	34.2	16
Okt. 7	37.03	13	54.5	25	60.59	9	35.9	13	23.00	7	60.1	1	47.47	10	32.6	19
17	36.90	9	52.0	28	60.50	4	34.6	14	22.93	2	60.0	— 1	47.37	5	30.7	22
27	36.81	2	49.2	31	60.46	— 3	33.2	12	22.91	— 2	60.1	3	47.32	1	28.5	26
Nov. 6	36.79	— 2	46.1	33	60.49	8	32.0	12	22.93	7	60.4	4	47.31	— 4	25.9	28
16	36.81	10	42.8	38	60.57	17	30.8	10	23.00	14	60.8	8	47.35	11	23.1	32
26	[16] 36.91	16	39.0	35	[16] 60.74	22	29.8	7	[17] 23.14	18	61.6	9	[17] 47.46	15	19.9	30
Dez. 6	37.07	21	35.5	35	60.96	28	29.1	4	23.32	22	62.5	11	47.61	21	16.9	31
16	37.28	27	32.0	34	61.24	33	28.7	1	23.54	27	63.6	12	47.82	25	13.8	30
26	37.55	30	28.6	30	61.57	36	28.6	— 2	23.81	29	64.8	14	48.07	28	10.8	28
36	37.85		25.6		61.93		28.8		24.10		66.2		48.35		8.0	
Mittl. Ort	37.47		46.7		60.31		28.8		22.67		59.4		47.54		25.9	
	573)				575)				577)				578)			

1908	α Serpentis. $2^m.5$.				β Serpentis. $3^m.4$.				κ Serpentis. $4^m.0$.				μ Serpentis. $3^m.3$.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. —	
	$15^h 39^m$		6° 42′		$15^h 41^m$		15° 42′		$15^h 44^m$		18° 25′		$15^h 44^m$		3° 8′	
	s		″		s		″		s		″		s		″	
Jan. 1	42.19	28	55.3	22	54.53	28	33.9	25	33.94	28	30.7	26	47.05	29	52.0	18
11	42.47	30	53.1	21	54.81	30	31.4	22	34.22	30	28.1	23	47.34	30	53.8	18
21	42.77	31	51.0	18	55.11	31	29.2	20	34.52	31	25.8	20	47.64	31	55.6	16
31	43.08	31	49.2	16	55.42	32	27.2	16	34.83	32	23.8	16	47.95	31	57.2	15
Febr. 10	43.39	31	47.6	12	55.74	31	25.6	12	35.15	31	22.2	12	48.26	30	58.7	13
20	43.70	29	46.4	9	56.05	30	24.4	8	35.46	30	21.0	7	48.56	30	60.0	10
März 1	43.99	28	45.5	6	56.35	28	23.6	3	35.76	29	20.3	3	48.86	28	61.0	8
11	44.27	26	44.9	1	56.63	26	23.3	— 1	36.05	27	20.0	— 2	49.14	26	61.8	5
21	44.53	23	44.8	— 2	56.89	24	23.4	5	36.32	24	20.2	6	49.40	24	62.3	2
31	44.76	21	45.0	4	57.13	21	23.9	9	36.56	21	20.8	10	49.64	21	62.5	0
April 10	44.97	18	45.4	8	57.34	18	24.8	12	36.77	18	21.8	13	49.85	19	62.5	3
20	45.15	15	46.2	9	57.52	15	26.0	14	36.95	16	23.1	15	50.04	17	62.2	4
30	45.30	13	47.1	12	57.67	13	27.4	15	37.11	12	24.6	17	50.21	13	61.8	6
Mai 10	45.43	9	48.3	12	57.80	9	28.9	17	37.23	10	26.3	18	50.34	11	61.2	7
20	45.52	7	49.5	12	57.89	7	30.6	17	37.33	6	28.1	19	50.45	8	60.5	7
30	45.59	4	50.7	13	57.96	3	32.3	18	37.39	3	30.0	18	50.53	4	59.8	8
Juni 9	45.63	0	52.0	12	57.99	— 1	34.1	16	37.42	0	31.8	17	50.57	2	59.0	7
19	45.63	2	53.2	12	57.98	3	35.7	14	37.42	4	33.5	16	50.59	— 2	58.3	8
29	45.61	6	54.4	10	57.95	7	37.1	14	37.38	7	35.1	14	50.57	4	57.5	7
Juli 9	45.55	8	55.4	9	57.88	9	38.5	11	37.31	9	36.5	12	50.53	8	56.8	6
19	45.47	11	56.3	7	57.79	12	39.6	8	37.22	13	37.7	9	50.45	10	56.2	6
29	45.36	13	57.0	5	57.67	14	40.4	7	37.09	14	38.6	7	50.35	12	55.6	4
Aug. 8	45.23	15	57.5	4	57.53	16	41.1	3	36.95	16	39.3	4	50.23	15	55.2	3
18	45.08	15	57.9	2	57.37	16	41.4	1	36.79	17	39.7	0	50.08	15	54.9	3
28	44.93	16	58.1	— 1	57.21	17	41.5	— 2	36.62	18	39.7	2	49.93	16	54.6	1
Sept. 7	44.77	15	58.0	2	57.04	16	41.3	4	36.44	16	39.5	5	49.77	15	54.5	0
17	44.62	14	57.8	5	56.88	15	40.9	8	36.28	16	39.0	9	49.62	13	54.5	2
27	44.48	11	57.3	8	56.73	12	40.1	11	36.12	13	38.1	12	49.49	11	54.7	3
Okt. 7	44.37	9	56.5	10	56.61	9	39.0	14	35.99	9	36.9	15	49.38	8	55.0	5
17	44.28	4	55.5	12	56.52	6	37.6	17	35.90	6	35.4	18	49.30	5	55.5	7
27	44.24	0	54.3	15	56.46	0	35.9	19	35.84	2	33.6	20	49.25	— 1	56.2	9
Nov. 6	44.24	5	52.8	17	56.46	4	34.0	22	35.82	— 4	31.6	24	49.26	5	57.1	11
16	44.29	11	51.1	21	56.50	10	31.8	27	35.86	10	29.2	27	49.31	11	58.2	15
26	^{19}44.40	16	49.0	20	^{20}56.60	15	29.1	25	^{20}35.96	14	26.5	27	^{20}49.42	16	59.7	15
Dez. 6	44.56	20	47.0	22	56.75	19	26.6	26	36.10	19	23.8	27	49.58	20	61.2	17
16	44.76	24	44.8	23	56.94	24	24.0	27	36.29	23	21.1	28	49.78	24	62.9	18
26	45.00	27	42.5	22	57.18	26	21.3	25	36.52	27	18.3	26	50.02	27	64.7	18
36	45.27		40.3		57.44		18.8		36.79		15.7		50.29		66.5	
Mittl. Ort	44.13		52.5		56.47		33.2		35.89		30.7		49.05		57.1	
	582)				583)				584)				585)			

1908	ε Serpentis. $3^m.5$. AR.		Dekl. +		β Triang. austr. $2^m.9$. AR.		Dekl. −		ζ Ursae min. $4^m.3$. AR.		Dekl. +		ε Coron. bor. $4^m.0$. AR.		Dekl. +	
	$15^h 46^m$		4° 45′		$15^h 46^m$		63° 8′		$15^h 47^m$		78° 4′		$15^h 53^m$		27° 8′	
Jan. 1	11.77	28	18.1	21	58.00	55	32.9	8	14.88	78	32.3	30	44.68	28	36.0	28
11	12.05	29	16.0	20	58.55	59	32.1	3	15.66	92	29.3	24	44.96	30	33.2	25
21	12.34	31	14.0	18	59.14	62	31.8	1	16.58	103	26.9	18	45.26	32	30.7	21
31	12.65	31	12.2	16	59.76	62	31.9	6	17.61	110	25.1	13	45.58	33	28.6	17
Febr. 10	12.96	31	10.6	13	60.38	62	32.5	9	18.71	112	23.8	5	45.91	32	26.9	12
20	13.27	29	9.3	9	61.00	61	33.4	13	19.83	111	23.3	1	46.23	32	25.7	6
März 1	13.56	28	8.4	6	61.61	57	34.7	17	20.94	106	23.4	8	46.55	30	25.1	1
11	13.84	26	7.8	2	62.18	54	36.4	19	22.00	97	24.2	14	46.85	28	25.0	4
21	14.10	24	7.6	1	62.72	50	38.3	21	22.97	85	25.6	19	47.13	26	25.4	8
31	14.34	21	7.7	4	63.22	45	40.4	23	23.82	71	27.5	24	47.39	22	26.2	13
April 10	14.55	19	8.1	6	63.67	39	42.7	25	24.53	55	29.9	28	47.61	20	27.5	16
20	14.74	16	8.7	9	64.06	33	45.2	26	25.08	37	32.7	30	47.81	17	29.1	20
30	14.90	13	9.6	10	64.39	27	47.8	27	25.45	19	35.7	31	47.98	13	31.1	21
Mai 10	15.03	11	10.6	11	64.66	20	50.5	26	25.64	0	38.8	31	48.11	10	33.2	22
20	15.14	7	11.7	12	64.86	13	53.1	26	25.64	17	41.9	31	48.21	6	35.4	22
30	15.21	4	12.9	12	64.99	5	55.7	25	25.47	36	45.0	29	48.27	3	37.6	23
Juni 9	15.25	2	14.1	12	65.04	2	58.2	23	25.11	51	47.9	26	48.30	1	39.9	21
19	15.27	2	15.3	10	65.02	10	60.5	21	24.60	65	50.5	22	48.29	5	42.0	19
29	15.25	6	16.3	10	64.92	17	62.6	18	23.95	79	52.7	19	48.24	8	43.9	16
Juli 9	15.19	8	17.3	9	64.75	23	64.4	15	23.16	89	54.6	14	48.16	11	45.5	14
19	15.11	10	18.2	7	64.52	29	65.9	12	22.27	98	56.0	9	48.05	13	46.9	11
29	15.01	13	18.9	5	64.23	34	67.1	8	21.29	103	56.9	4	47.92	16	48.0	8
Aug. 8	14.88	14	19.4	4	63.89	38	67.9	3	20.26	108	57.3	0	47.76	19	48.8	5
18	14.74	16	19.8	2	63.51	39	68.2	2	19.18	109	57.3	7	47.57	19	49.3	0
28	14.58	16	20.0	0	63.12	40	68.0	5	18.09	108	56.6	11	47.38	19	49.3	3
Sept. 7	14.42	15	20.0	2	62.72	37	67.5	10	17.01	103	55.5	16	47.19	19	49.0	7
17	14.27	14	19.8	4	62.35	34	66.5	14	15.98	98	53.9	21	47.00	18	48.3	11
27	14.13	12	19.4	6	62.01	29	65.1	17	15.00	89	51.8	25	46.82	15	47.2	14
Okt. 7	14.01	8	18.8	9	61.72	22	63.4	20	14.11	77	49.3	30	46.67	12	45.8	18
17	13.93	5	17.9	11	61.50	13	61.4	22	13.34	63	46.3	33	46.55	8	44.0	21
27	13.88	0	16.8	14	61.37	3	59.2	23	12.71	46	43.0	35	46.47	3	41.9	25
Nov. 6	13.88	5	15.4	16	61.34	6	56.9	22	12.25	28	39.5	37	46.44	1	39.4	27
16	13.93	10	13.8	19	61.40	20	54.7	24	11.97	10	35.8	42	46.45	8	36.7	31
26	21 14.03	15	11.9	20	21 61.60	28	52.3	20	21 11.87	13	31.6	39	22 46.53	13	33.6	31
Dez. 6	14.18	20	9.9	21	61.88	38	50.3	17	12.00	33	27.7	37	46.66	18	30.5	31
16	14.38	23	7.8	21	62.26	46	48.6	13	12.33	53	24.0	35	46.84	22	27.4	30
26	14.61	27	5.7	22	62.72	53	47.3	10	12.86	70	20.5	32	47.06	26	24.4	29
36	14.88		3.5		63.25		46.3		13.56		17.3		47.32		21.5	
Mittl. Ort	13.74		14.9		61.71		50.4		19.47		40.3		46.68		37.7	
	588)				589)				590)				593)			

1908	δ Scorpii. 2ᵐ.3.				β Scorpii. 2ᵐ.6.				ϑ Draconis. 3ᵐ.8.				δ Ophiuchi. 2ᵐ.8.			
	AR.		Dekl. −		AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. −	
	$15^h 54^m$		22° 21′		$16^h 0^m$		19° 33′		$16^h 0^m$		58° 48′		$16^h 9^m$		3° 27′	
Jan. 1	51.26	30	28.3	10	2.91	29	6.7	10	7.29	36	32.4	31	29.29	27	24.2	17
11	51.56	32	29.3	11	3.20	32	7.7	12	7.65	42	29.3	28	29.56	28	25.9	17
21	51.88	33	30.4	11	3.52	32	8.9	12	8.07	46	26.5	22	29.84	30	27.6	16
31	52.21	34	31.5	12	3.84	33	10.1	12	8.53	48	24.3	16	30.14	31	29.2	14
Febr. 10	52.55	33	32.7	12	4.17	33	11.3	12	9.01	49	22.7	10	30.45	31	30.6	13
20	52.88	32	33.9	12	4.50	32	12.5	11	9.50	49	21.7	2	30.76	30	31.9	10
März 1	53.20	31	35.1	11	4.82	30	13.6	10	9.99	46	21.5	4	31.06	29	32.9	7
11	53.51	28	36.2	10	5.12	29	14.6	9	10.45	44	21.9	10	31.35	27	33.6	5
21	53.79	27	37.2	9	5.41	26	15.5	7	10.89	39	22.9	16	31.62	25	34.1	1
31	54.06	24	38.1	8	5.67	24	16.2	7	11.28	34	24.5	21	31.87	24	34.2	0
April 10	54.30	22	38.9	6	5.91	22	16.9	5	11.62	28	26.6	25	32.11	21	34.2	3
20	54.52	19	39.5	6	6.13	19	17.4	4	11.90	22	29.1	29	32.32	18	33.9	5
30	54.71	16	40.1	5	6.32	16	17.8	4	12.12	15	32.0	30	32.50	16	33.4	6
Mai 10	54.87	13	40.6	5	6.48	14	18.2	2	12.27	8	35.0	31	32.66	13	32.8	7
20	55.00	10	41.1	3	6.62	10	18.4	2	12.35	2	38.1	31	32.79	10	32.1	8
30	55.10	7	41.4	4	6.72	7	18.6	1	12.37	5	41.2	30	32.89	7	31.3	8
Juni 9	55.17	3	41.8	2	6.79	3	18.7	1	12.32	11	44.2	28	32.96	4	30.5	8
19	55.20	1	42.0	2	6.82	0	18.8	1	12.21	18	47.0	25	33.00	0	29.7	8
29	55.19	4	42.2	1	6.82	3	18.9	0	12.03	22	49.5	21	33.00	3	28.9	7
Juli 9	55.15	7	42.3	0	6.79	7	18.9	1	11.81	28	51.6	18	32.97	6	28.2	6
19	55.08	10	42.3	0	6.72	10	18.8	0	11.53	33	53.4	13	32.91	10	27.6	6
29	54.98	13	42.3	1	6.62	13	18.8	2	11.20	35	54.7	8	32.81	11	27.0	4
Aug. 8	54.85	16	42.2	2	6.49	14	18.6	2	10.85	38	55.5	4	32.70	14	26.6	4
18	54.69	16	42.0	2	6.35	16	18.4	2	10.47	39	55.9	2	32.56	16	26.2	2
28	54.53	17	41.8	4	6.19	17	18.2	3	10.08	40	55.7	7	32.40	16	26.0	1
Sept. 7	54.36	16	41.4	4	6.02	16	17.9	3	9.68	39	55.0	13	32.24	16	25.9	1
17	54.20	15	41.0	4	5.86	15	17.6	3	9.29	37	53.7	17	32.08	14	25.8	2
27	54.05	13	40.6	4	5.71	13	17.3	3	8.92	33	52.0	21	31.94	13	26.0	3
Okt. 7	53.92	9	40.2	4	5.58	9	17.0	3	8.59	28	49.9	26	31.81	10	26.3	4
17	53.83	5	39.8	3	5.49	5	16.7	2	8.31	22	47.3	30	31.71	6	26.7	7
27	53.78	0	39.5	2	5.44	1	16.5	0	8.09	16	44.3	33	31.65	2	27.4	9
Nov. 6	53.78	5	39.3	1	5.43	4	16.5	1	7.93	8	41.0	36	31.63	2	28.3	10
16	53.83	12	39.2	1	5.47	11	16.6	3	7.85	1	37.4	41	31.65	8	29.3	12
26	[23] 53.95	16	39.3	4	[24] 5.58	16	16.9	4	[24] 7.86	10	33.3	39	31.73	14	30.5	16
Dez. 6	54.11	21	39.7	5	5.74	20	17.3	7	7.96	18	29.4	38	[26] 31.87	18	32.1	16
16	54.32	26	40.2	7	5.94	25	18.0	8	8.14	26	25.6	36	32.05	22	33.7	17
26	54.58	29	40.9	9	6.19	28	18.8	10	8.40	34	22.0	34	32.27	26	35.4	17
36	54.87		41.8		6.47		19.8		8.74		18.6		32.53		37.1	
Mittl. Ort	53.47		37.7		5.11		15.2		9.84		38.8		31.38		28.8	
	594)				597)				598)				603)			

1908	γ² Normae. 4^m.2. AR.		Dekl. −	
	16^h 12^m		49° 55′	
Jan. 1	54.00	39	35.8	5
11	54.39	42	35.3	2
21	54.81	44	35.1	—2
31	55.25	46	35.3	5
Febr. 10	55.71	46	35.8	7
20	56.17	45	36.5	10
März 1	56.62	44	37.5	12
11	57.06	41	38.7	14
21	57.47	39	40.1	15
31	57.86	36	41.6	17
April 10	58.22	32	43.3	18
20	58.54	29	45.1	19
30	58.83	24	47.0	19
Mai 10	59.07	19	48.9	19
20	59.26	15	50.8	19
30	59.41	10	52.7	18
Juni 9	59.51	5	54.5	17
19	59.56	—1	56.2	16
29	59.55	6	57.8	15
Juli 9	59.49	11	59.3	12
19	59.38	16	60.5	9
29	59.22	21	61.4	7
Aug. 8	59.01	23	62.1	4
18	58.78	25	62.5	0
28	58.53	27	62.5	3
Sept. 7	58.26	26	62.2	6
17	58.00	24	61.6	9
27	57.76	21	60.7	12
Okt. 7	57.55	17	59.5	14
17	57.38	11	58.1	15
27	57.27	4	56.6	17
Nov. 6	57.23	—2	54.9	17
16	57.25	11	53.2	16
26	57.36	20	51.6	15
Dez. 6	^{27}57.56	26	50.1	12
16	57.82	31	48.9	10
26	58.13	38	47.9	6
36	58.51		47.3	
Mittl. Ort	57.05		49.5	
	604)			

1908	19 Ursae min. 5^m.8. AR.		Dekl. +	
	16^h 13^m		76° 6′	
Jan. 1	21.76	60	27.5	32
11	22.36	74	24.3	28
21	23.10	84	21.5	22
31	23.94	92	19.3	16
Febr. 10	24.86	96	17.7	9
20	25.82	97	16.8	2
März 1	26.79	94	16.6	—4
11	27.73	89	17.0	11
21	28.62	80	18.1	16
31	29.42	68	19.7	22
April 10	30.10	56	21.9	25
20	30.66	42	24.4	29
30	31.08	27	27.3	31
Mai 10	31.35	11	30.4	32
20	31.46	—5	33.6	31
30	31.41	20	36.7	31
Juni 9	31.21	34	39.8	28
19	30.87	48	42.6	25
29	30.39	61	45.1	22
Juli 9	29.78	70	47.3	18
19	29.08	80	49.1	13
29	28.28	87	50.4	9
Aug. 8	27.41	91	51.3	3
18	26.50	95	51.6	—2
28	25.55	95	51.4	7
Sept. 7	24.60	93	50.7	12
17	23.67	90	49.5	17
27	22.77	82	47.8	22
Okt. 7	21.95	74	45.6	26
17	21.21	63	43.0	30
27	20.58	50	40.0	34
Nov. 6	20.08	34	36.6	36
16	19.74	17	33.0	37
26	19.57	0	29.3	42
Dez. 6	^{27}19.57	19	25.1	38
16	19.76	37	21.3	37
26	20.13	55	17.6	34
36	20.68		14.2	
Mittl. Ort	26.09		34.2	
	606)			

1908	ε Ophiuchi. 3^m.2. AR.		Dekl. −	
	16^h 13^m		4° 28′	
Jan. 1	25.01	26	3.0	17
11	25.27	29	4.7	16
21	25.56	30	6.3	16
31	25.86	31	7.9	14
Febr. 10	26.17	31	9.3	12
20	26.48	30	10.5	10
März 1	26.78	29	11.5	7
11	27.07	27	12.2	5
21	27.34	26	12.7	2
31	27.60	23	12.9	—1
April 10	27.83	22	12.8	2
20	28.05	19	12.6	5
30	28.24	16	12.1	5
Mai 10	28.40	14	11.6	7
20	28.54	10	10.9	7
30	28.64	8	10.2	8
Juni 9	28.72	4	9.4	8
19	28.76	0	8.6	7
29	28.76	2	7.9	7
Juli 9	28.74	6	7.2	6
19	28.68	9	6.6	5
29	28.59	12	6.1	5
Aug. 8	28.47	14	5.6	3
18	28.33	15	5.3	3
28	28.18	16	5.0	1
Sept. 7	28.02	16	4.9	0
17	27.86	15	4.9	1
27	27.71	13	5.0	2
Okt. 7	27.58	10	5.2	4
17	27.48	7	5.6	6
27	27.41	2	6.2	8
Nov. 6	27.39	—2	7.0	10
16	27.41	8	8.0	11
26	27.49	14	9.1	15
Dez. 6	^{27}27.63	17	10.6	15
16	27.80	22	12.1	17
26	28.02	25	13.8	16
36	28.27		15.4	
Mittl. Ort	27.12		7.8	
	605)			

1908	τ Herculis. 3^m.6. AR.		Dekl. +	
	16^h 16^m		46° 31′	
Jan. 1	56.21	29	51.2	32
11	56.50	33	48.0	28
21	56.83	36	45.2	24
31	57.19	38	42.8	19
Febr. 10	57.57	38	40.9	12
20	57.95	39	39.7	6
März 1	58.34	37	39.1	0
11	58.71	36	39.1	7
21	59.07	32	39.8	12
31	59.39	29	41.0	17
April 10	59.68	26	42.7	22
20	59.94	21	44.9	25
30	60.15	16	47.4	27
Mai 10	60.31	11	50.1	29
20	60.42	7	53.0	30
30	60.49	1	56.0	28
Juni 9	60.50	—3	58.8	27
19	60.47	8	61.5	25
29	60.39	12	64.0	23
Juli 9	60.27	17	66.3	18
19	60.10	21	68.1	15
29	59.89	23	69.6	11
Aug. 8	59.66	26	70.7	6
18	59.40	28	71.3	2
28	59.12	28	71.5	—4
Sept. 7	58.84	29	71.1	8
17	58.55	27	70.3	13
27	58.28	24	69.0	17
Okt. 7	58.04	21	67.3	22
17	57.83	16	65.1	26
27	57.67	12	62.5	29
Nov. 6	57.55	5	59.6	33
16	57.50	—1	56.3	35
26	57.51	9	52.8	40
Dez. 6	^{28}57.60	15	48.8	36
16	57.75	21	45.2	36
26	57.96	26	41.6	33
36	58.22		38.3	
Mittl. Ort	58.49		55.6	
	608)			

1908	γ Herculis. $3^m.5$. AR.	Diff.	Dekl. +	Diff.	γ Apodis. $3^m.9$. AR.	Diff.	Dekl. —	Diff.
	$16^h 17^m$		19° 21′		$16^h 19^m$		78° 41′	
Jan. 1	49.60	25	67.2	26	10.27	107	13.7	17
11	49.85	28	64.6	24	11.34	119	12.0	13
21	50.13	30	62.2	20	12.53	128	10.7	7
31	50.43	31	60.2	18	13.81	135	10.0	3
Febr. 10	50.74	31	58.4	13	15.16	138	9.7	— 2
20	51.05	31	57.1	9	16.54	137	9.9	7
März 1	51.36	29	56.2	3	17.91	133	10.6	11
11	51.65	28	55.9	— 1	19.24	128	11.7	16
21	51.93	26	56.0	5	20.52	120	13.3	19
31	52.19	24	56.5	10	21.72	110	15.2	22
April 10	52.43	22	57.5	13	22.82	98	17.4	25
20	52.65	18	58.8	15	23.80	84	19.9	28
30	52.83	16	60.3	18	24.64	69	22.7	30
Mai 10	52.99	12	62.1	20	25.33	52	25.7	31
20	53.11	10	64.1	19	25.85	36	28.8	31
30	53.21	6	66.0	20	26.21	18	31.9	30
Juni 9	53.27	2	68.0	19	26.39	— 1	34.9	30
19	53.29	— 1	69.9	18	26.38	19	37.9	28
29	53.28	5	71.7	16	26.19	36	40.7	26
Juli 9	53.23	8	73.3	14	25.83	53	43.3	22
19	53.15	11	74.7	11	25.30	68	45.5	19
29	53.04	14	75.8	9	24.62	80	47.4	15
Aug. 8	52.90	16	76.7	6	23.82	90	48.9	9
18	52.74	17	77.3	3	22.92	96	49.8	5
28	52.57	19	77.6	— 1	21.96	98	50.3	— 1
Sept. 7	52.38	18	77.5	3	20.98	97	50.2	7
17	52.20	17	77.2	7	20.01	92	49.5	11
27	52.03	16	76.5	11	19.09	81	48.4	17
Okt. 7	51.87	12	75.4	13	18.28	67	46.7	21
17	51.75	9	74.1	17	17.61	50	44.6	24
27	51.66	5	72.4	20	17.11	30	42.2	26
Nov. 6	51.61	0	70.4	22	16.81	9	39.6	28
16	51.61	5	68.2	25	16.72	— 16	36.8	29
26	51.66	11	65.7	29	16.88	43	33.9	30
Dez. 6	[28] 51.77	16	62.8	27	[28] 17.31	62	30.9	26
16	51.93	20	60.1	28	17.93	81	28.3	22
26	52.13	24	57.3	26	18.74	100	26.1	19
36	52.37		54.7		19.74		24.2	
Mittl. Ort	51.66		67.3		18.81		30.0	
	609)				611)			

1908	η Draconis. $2^m.7$. AR.	Diff.	Dekl. +	Diff.	α Scorpii. $1^m.2$. AR.	Diff.	Dekl. —	Diff.
	$16^h 22^m$		61° 43′		$16^h 23^m$		26° 13′	
Jan. 1	41.78	34	14.8	34	43.44	29	33.6	6
11	42.12	42	11.4	29	43.73	31	34.2	7
21	42.54	47	8.5	25	44.04	33	34.9	8
31	43.01	49	6.0	18	44.37	34	35.7	9
Febr. 10	43.50	53	4.2	12	44.71	34	36.6	10
20	44.03	52	3.0	5	45.05	34	37.6	10
März 1	44.55	52	2.5	— 1	45.39	33	38.6	9
11	45.07	48	2.6	8	45.72	31	39.5	8
21	45.55	44	3.4	14	46.03	29	40.3	9
31	45.99	40	4.8	20	46.32	28	41.2	8
April 10	46.39	34	6.8	24	46.60	25	42.0	7
20	46.73	27	9.2	28	46.85	22	42.7	6
30	47.00	19	12.0	30	47.07	20	43.3	6
Mai 10	47.19	13	15.0	31	47.27	16	43.9	6
20	47.32	5	18.1	32	47.43	13	44.5	5
30	47.37	— 2	21.3	31	47.56	10	45.0	5
Juni 9	47.35	10	24.4	29	47.66	6	45.5	4
19	47.25	17	27.3	27	47.72	3	45.9	4
29	47.08	23	30.0	24	47.75	— 2	46.3	3
Juli 9	46.85	30	32.4	20	47.73	6	46.6	3
19	46.55	34	34.4	16	47.67	9	46.9	2
29	46.21	39	36.0	10	47.58	13	47.1	1
Aug. 8	45.82	41	37.0	6	47.45	15	47.2	0
18	45.41	45	37.6	2	47.30	16	47.2	1
28	44.96	45	37.8	— 5	47.14	18	47.1	2
Sept. 7	44.51	44	37.3	9	46.96	19	46.9	4
17	44.07	43	36.4	15	46.77	17	46.5	4
27	43.64	40	34.9	19	46.60	14	46.1	4
Okt. 7	43.24	35	33.0	24	46.46	12	45.7	4
17	42.89	30	30.6	29	46.34	8	45.3	5
27	42.59	22	27.7	31	46.26	3	44.8	5
Nov. 6	42.37	15	24.6	35	46.23	— 3	44.3	3
16	42.22	5	21.1	37	46.26	7	44.0	2
26	42.17	— 5	17.4	42	46.33	15	43.8	0
Dez. 6	[29] 42.22	14	13.2	38	[29] 46.48	19	43.8	2
16	42.36	23	9.4	37	46.67	24	44.0	3
26	42.59	31	5.7	34	46.91	27	44.3	5
36	42.90		2.3		47.18		44.8	
Mittl. Ort	44.56		20.3		45.85		42.4	
	615)				616)			

1908	β Herculis. $2^m.6$. AR.		Dekl. +		*A* Draconis. $5^m.0$. AR.		Dekl. +		σ Herculis. $4^m.1$. AR.		Dekl. +		ζ Ophiuchi. $2^m.6$. AR.		Dekl. —	
	$16^h\ 26^m$		21° 41′		$16^h\ 28^m$		68° 57′		$16^h\ 31^m$		42° 37′		$16^h\ 32^m$		10° 22′	
	s		″		s		″		s		″		s		″	
Jan. 1	13.77	25	22.0	26	6.15	40	56.2	34	5.95	27	31.6	32	3.26	26	47.4	13
11	14.02	28	19.4	25	6.55	50	52.8	29	6.22	30	28.4	29	3.52	28	48.7	13
21	14.30	29	16.9	22	7.05	58	49.9	24	6.52	33	25.5	25	3.80	30	50.0	14
31	14.59	31	14.7	18	7.63	62	47.5	19	6.85	36	23.0	19	4.10	31	51.4	12
Febr. 10	14.90	31	12.9	13	8.25	66	45.6	12	7.21	36	21.1	14	4.41	31	52.6	11
20	15.21	31	11.6	9	8.91	67	44.4	5	7.57	36	19.7	8	4.72	31	53.7	9
März 1	15.52	30	10.7	4	9.58	65	43.9	—2	7.93	36	18.9	2	5.03	30	54.6	8
11	15.82	29	10.3	—1	10.23	63	44.1	8	8.29	34	18.7	—5	5.33	28	55.4	5
21	16.11	27	10.4	6	10.86	57	44.9	14	8.63	32	19.2	10	5.61	27	55.9	3
31	16.38	24	11.0	10	11.43	51	46.3	20	8.95	29	20.2	16	5.88	26	56.2	1
April 10	16.62	22	12.0	14	11.94	43	48.3	24	9.24	25	21.8	20	6.14	23	56.3	0
20	16.84	19	13.4	16	12.37	34	50.7	28	9.49	22	23.8	24	6.37	20	56.3	2
30	17.03	17	15.0	19	12.71	25	53.5	31	9.71	18	26.2	26	6.57	19	56.1	3
Mai 10	17.20	13	16.9	21	12.96	14	56.6	31	9.89	13	28.8	28	6.76	16	55.8	4
20	17.33	10	19.0	21	13.10	4	59.7	32	10.02	9	31.6	28	6.92	13	55.4	4
30	17.43	6	21.1	21	13.14	—6	62.9	32	10.11	4	34.4	29	7.05	9	55.0	5
Juni 9	17.49	3	23.2	20	13.08	16	66.1	30	10.15	0	37.3	27	7.14	6	54.5	5
19	17.52	—1	25.2	20	12.92	26	69.1	27	10.15	6	40.0	25	7.20	3	54.0	5
29	17.51	4	27.2	17	12.66	33	71.8	24	10.09	9	42.5	23	7.23	—2	53.5	4
Juli 9	17.47	8	28.9	15	12.33	42	74.2	20	10.00	14	44.8	20	7.21	4	53.1	4
19	17.39	11	30.4	12	11.91	48	76.2	16	9.86	18	46.8	16	7.17	8	52.7	4
29	17.28	14	31.6	10	11.43	54	77.8	11	9.68	20	48.4	12	7.09	11	52.3	3
Aug. 8	17.14	17	32.6	6	10.89	58	78.9	6	9.48	24	49.6	8	6.98	14	52.0	2
18	16.97	18	33.2	4	10.31	61	79.5	1	9.24	25	50.4	3	6.84	15	51.8	2
28	16.79	18	33.6	—1	9.70	63	79.6	—4	8.99	26	50.7	—1	6.69	16	51.6	2
Sept. 7	16.61	19	33.5	3	9.07	61	79.2	9	8.73	27	50.6	6	6.53	17	51.4	1
17	16.42	18	33.2	7	8.46	60	78.3	14	8.46	25	50.0	11	6.36	16	51.3	0
27	16.24	17	32.5	11	7.86	55	76.9	20	8.21	24	48.9	16	6.20	14	51.3	0
Okt. 7	16.07	13	31.4	14	7.31	50	74.9	24	7.97	20	47.3	19	6.06	11	51.3	2
17	15.94	10	30.0	17	6.81	43	72.5	28	7.77	17	45.4	24	5.95	8	51.5	3
27	15.84	6	28.3	21	6.38	34	69.7	32	7.60	11	43.0	27	5.87	3	51.8	5
Nov. 6	15.78	2	26.2	23	6.04	24	66.5	35	7.49	6	40.3	31	5.84	—1	52.3	6
16	15.76	—4	23.9	25	5.80	12	63.0	37	7.43	0	37.2	33	5.85	6	52.9	7
26	15.80	11	21.4	30	5.68	0	59.3	42	7.43	7	33.9	38	5.91	12	53.6	10
Dez. 6	[30] 15.91	14	18.4	28	[30] 5.68	12	55.1	39	[1] 7.50	13	30.1	36	[1] 6.03	17	54.6	11
16	16.05	19	15.6	29	5.80	25	51.2	37	7.63	19	26.5	35	6.20	20	55.7	13
26	16.24	23	12.7	27	6.05	35	47.5	35	7.82	24	23.0	33	6.40	25	57.0	13
36	16.47		10.0		6.40		44.0		8.06		19.7		6.65		58.3	
Mittl. Ort	15.86		22.5		9.49		62.0		8.21		35.0		5.49		52.8	
	618)				619)				621)				622)			

1908	α Triang. austr. $1^{m}.9$.				η Herculis. $3^{m}.3$.				Gr. 2377. $4^{m}.9$.				ε Scorpii. $2^{m}.3$.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. −	
	$16^{h}\ 38^{m}$		68° 51′		$16^{h}\ 39^{m}$		39° 5′		$16^{h}\ 43^{m}$		56° 56′		$16^{h}\ 44^{m}$		34° 7′	
	s		″		s		″		s		″		s		″	
Jan. 1	49.71	58	21.1	16	42.26	25	45.9	32	30.40	28	41.2	34	9.43	29	27.4	1
11	50.29	66	19.5	12	42.51	29	42.7	29	30.68	35	37.8	31	9.72	32	27.5	2
21	50.95	71	18.3	7	42.80	31	39.8	25	31.03	40	34.7	27	10.04	34	27.7	3
31	51.66	75	17.6	3	43.11	34	37.3	20	31.43	43	32.0	20	10.38	36	28.0	5
Febr. 10	52.41	77	17.3	0	43.45	35	35.3	15	31.86	46	30.0	15	10.74	36	28.5	7
20	53.18	78	17.3	4	43.80	35	33.8	8	32.32	46	28.5	8	11.10	37	29.2	7
März 1	53.96	76	17.7	9	44.15	34	33.0	3	32.78	45	27.7	2	11.47	35	29.9	8
11	54.72	73	18.6	12	44.49	33	32.7	3	33.23	44	27.5	6	11.82	34	30.7	8
21	55.45	70	19.8	15	44.82	31	33.0	9	33.67	42	28.1	11	12.16	33	31.5	9
31	56.15	65	21.3	19	45.13	29	33.9	15	34.09	37	29.2	17	12.49	31	32.4	9
April 10	56.80	59	23.2	21	45.42	25	35.4	19	34.46	33	30.9	22	12.80	29	33.3	9
20	57.39	53	25.3	23	45.67	22	37.3	22	34.79	28	33.1	26	13.09	26	34.2	9
30	57.92	46	27.6	25	45.89	19	39.5	25	35.07	22	35.7	29	13.35	23	35.1	9
Mai 10	58.38	37	30.1	26	46.08	14	42.0	27	35.29	15	38.6	31	13.58	20	36.0	9
20	58.75	28	32.7	27	46.22	10	44.7	28	35.44	9	41.7	31	13.78	16	36.9	9
30	59.03	19	35.4	26	46.32	6	47.5	27	35.53	3	44.8	32	13.94	13	37.8	9
Juni 9	59.22	8	38.0	27	46.38	1	50.2	27	35.56	4	48.0	30	14.07	8	38.7	9
19	59.30	2	40.7	25	46.39	3	52.9	25	35.52	10	51.0	28	14.15	4	39.6	8
29	59.28	11	43.2	23	46.36	8	55.4	23	35.42	16	53.8	26	14.19	0	40.4	8
Juli 9	59.17	21	45.5	21	46.28	11	57.7	20	35.26	22	56.4	22	14.19	5	41.2	7
19	58.96	30	47.6	18	46.17	16	59.7	16	35.04	26	58.6	18	14.14	9	41.9	6
29	58.66	38	49.4	14	46.01	19	61.3	13	34.78	32	60.4	14	14.05	13	42.5	4
Aug. 8	58.28	44	50.8	10	45.82	21	62.6	8	34.46	34	61.8	9	13.92	16	42.9	2
18	57.84	49	51.8	6	45.61	24	63.4	5	34.12	38	62.7	4	13.76	18	43.1	1
28	57.35	51	52.4	1	45.37	24	63.9	1	33.74	38	63.1	1	13.58	20	43.2	0
Sept. 7	56.84	52	52.5	4	45.13	25	63.8	4	33.36	39	63.0	6	13.38	20	43.2	2
17	56.32	49	52.1	9	44.88	25	63.4	9	32.97	38	62.4	11	13.18	20	43.0	4
27	55.83	45	51.2	13	44.63	22	62.5	14	32.59	36	61.3	16	12.98	18	42.6	6
Okt. 7	55.38	37	49.9	18	44.41	19	61.1	18	32.23	32	59.7	21	12.80	14	42.0	7
17	55.01	30	48.1	20	44.22	16	59.3	23	31.91	27	57.6	26	12.66	11	41.3	7
27	54.71	18	46.1	23	44.06	11	57.0	25	31.64	22	55.0	29	12.55	6	40.6	8
Nov. 6	54.53	6	43.8	24	43.95	6	54.5	29	31.42	14	52.1	32	12.49	0	39.8	8
16	54.47	7	41.4	25	43.89	0	51.6	32	31.28	7	48.9	36	12.49	6	39.0	7
26	54.54	22	38.9	26	43.89	6	48.4	37	31.21	1	45.3	41	12.55	13	38.3	6
Dez. 6	[3]54.76	32	36.3	22	[3]43.95	12	44.7	34	[4]31.22	10	41.2	38	[4]12.68	18	37.7	4
16	55.08	45	34.1	21	44.07	18	41.3	34	31.32	19	37.4	37	12.86	23	37.3	2
26	55.53	55	32.0	17	44.25	22	37.9	34	31.51	25	33.7	36	13.09	28	37.1	1
36	56.08		30.3		44.47		34.5		31.76		30.1		13.37		37.0	
Mittl. Ort	54.86		34.9		44.50		48.7		33.04		45.5		12.10		36.3	
	625)				626)				627)				628)			

1908	49 Herculis. 6m.5. AR.		49 Herculis. Dekl. +		ζ² Scorpii. 3m.8. AR.		ζ² Scorpii. Dekl. −	
	16h 47m		15° 7′		16h 48m		42° 12′	
Jan. 1	51.36	23	41.6	24	3.41	32	5.7	4
11	51.59	26	39.2	23	3.73	35	5.3	2
21	51.85	28	36.9	21	4.08	38	5.1	—1
31	52.13	29	34.8	17	4.46	39	5.2	2
Febr. 10	52.42	30	33.1	14	4.85	40	5.4	4
20	52.72	30	31.7	9	5.25	40	5.8	6
März 1	53.02	30	30.8	5	5.65	40	6.4	8
11	53.32	29	30.3	1	6.05	38	7.2	9
21	53.61	27	30.2	—3	6.43	36	8.1	10
31	53.88	25	30.5	8	6.79	35	9.1	10
April 10	54.13	24	31.3	11	7.14	32	10.1	12
20	54.37	21	32.4	14	7.46	30	11.3	13
30	54.58	18	33.8	16	7.76	26	12.6	13
Mai 10	54.76	16	35.4	17	8.02	22	13.9	13
20	54.92	12	37.1	19	8.24	18	15.2	13
30	55.04	9	39.0	19	8.42	14	16.5	14
Juni 9	55.13	6	40.9	18	8.56	10	17.9	13
19	55.19	2	42.7	18	8.66	4	19.2	13
29	55.21	—2	44.5	16	8.70	—1	20.5	12
Juli 9	55.19	6	46.1	14	8.69	5	21.7	11
19	55.13	9	47.5	12	8.64	10	22.8	9
29	55.04	12	48.7	10	8.54	15	23.7	7
Aug. 8	54.92	14	49.7	7	8.39	18	24.4	5
18	54.78	17	50.4	4	8.21	21	24.9	2
28	54.61	17	50.8	1	8.00	22	25.1	0
Sept. 7	54.44	19	50.9	—1	7.78	23	25.1	2
17	54.25	18	50.8	5	7.55	22	24.9	5
27	54.07	16	50.3	7	7.33	20	24.4	7
Okt. 7	53.91	14	49.6	11	7.13	17	23.7	10
17	53.77	11	48.5	14	6.96	13	22.7	10
27	53.66	7	47.1	16	6.83	6	21.7	12
Nov. 6	53.59	2	45.5	19	6.77	1	20.5	12
16	53.57	—2	43.6	22	6.76	—5	19.3	11
26	53.59	9	41.4	26	6.81	12	18.2	12
Dez. 6	53.68	13	38.8	24	6.93	17	17.0	9
16	53.81	17	36.4	25	7.10	24	16.1	8
26	53.98	21	33.9	26	7.34	30	15.3	5
36	54.19		31.3		7.64		14.8	
Mittl. Ort	53.51		41.0		6.35		15.6	
	629)				630)			

1908	ζ Arae. 3m.0. AR.		ζ Arae. Dekl. −		κ Ophiuchi. 3m.2. AR.		κ Ophiuchi. Dekl. +	
	16h 50m		55° 50′		16h 53m		9° 30′	
Jan. 1	56.49	39	32.5	11	16.61	22	64.5	22
11	56.88	44	31.4	8	16.83	26	62.3	21
21	57.32	48	30.6	6	17.09	27	60.2	19
31	57.80	50	30.0	2	17.36	29	58.3	16
Febr. 10	58.30	51	29.8	—2	17.65	30	56.7	13
20	58.81	52	30.0	4	17.95	30	55.4	10
März 1	59.33	51	30.4	7	18.25	29	54.4	6
11	59.84	49	31.1	9	18.54	28	53.8	1
21	60.33	47	32.0	12	18.82	28	53.7	—2
31	60.80	45	33.2	15	19.10	25	53.9	6
April 10	61.25	41	34.7	16	19.35	24	54.5	9
20	61.66	38	36.3	17	19.59	21	55.4	11
30	62.04	34	38.0	19	19.80	19	56.5	14
Mai 10	62.38	28	39.9	20	19.99	16	57.9	15
20	62.66	22	41.9	20	20.15	13	59.4	16
30	62.88	17	43.9	21	20.28	10	61.0	16
Juni 9	63.05	11	46.0	20	20.38	6	62.6	16
19	63.16	4	48.0	20	20.44	3	64.2	15
29	63.20	—3	50.0	18	20.47	—1	65.7	14
Juli 9	63.17	9	51.8	17	20.46	4	67.1	13
19	63.08	15	53.5	14	20.42	8	68.4	10
29	62.93	20	54.9	12	20.34	11	69.4	9
Aug. 8	62.73	25	56.1	8	20.23	14	70.3	7
18	62.48	29	56.9	5	20.09	16	71.0	4
28	62.19	31	57.4	1	19.93	17	71.4	1
Sept. 7	61.88	32	57.5	—2	19.76	18	71.5	—1
17	61.56	30	57.3	6	19.58	17	71.4	3
27	61.26	28	56.7	10	19.41	16	71.1	6
Okt. 7	60.98	24	55.7	13	19.25	13	70.5	8
17	60.74	19	54.4	16	19.12	11	69.7	12
27	60.55	11	52.8	17	19.01	7	68.5	14
Nov. 6	60.44	3	51.1	19	18.94	2	67.1	16
16	60.41	—5	49.2	18	18.92	—3	65.5	18
26	60.46	14	47.4	18	18.95	7	63.7	21
Dez. 6	60.60	24	45.6	19	19.02	13	61.6	23
16	60.84	30	43.7	16	19.15	18	59.3	23
26	61.14	36	42.1	13	19.33	21	57.0	22
36	61.50		40.8		19.54		54.8	
Mittl. Ort	60.17		43.8		18.77		63.0	
	631)				633)			

1908	ε Herculis. 3ᵐ.6.				η Ophiuchi. 2ᵐ.4.				ζ Draconis. 3ᵐ.0.				α Herculis. (3ᵐ.0).			
	AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +	
	16ʰ 56ᵐ		31° 3′		17ʰ 5ᵐ		15° 36′		17ʰ 8ᵐ		65° 49′		17ʰ 10ᵐ		14° 29′	
Jan. 1	43.95ˢ	22	39.7″	30	3.65ˢ	24	36.8″	9	27.88ˢ	28	36.7″	35	24.92ˢ	21	41.4″	24
11	44.17	26	36.7	28	3.89	26	37.7	9	28.16	38	33.2	33	25.13	24	39.0	23
21	44.43	29	33.9	25	4.15	29	38.6	10	28.54	45	29.9	28	25.37	26	36.7	20
31	44.72	31	31.4	20	4.44	30	39.6	9	28.99	50	27.1	23	25.63	29	34.7	18
Febr. 10	45.03	32	29.4	16	4.74	31	40.5	9	29.49	56	24.8	17	25.92	29	32.9	14
20	45.35	32	27.8	10	5.05	32	41.4	7	30.05	57	23.1	11	26.21	30	31.5	10
März 1	45.67	32	26.8	4	5.37	31	42.1	6	30.62	59	22.0	3	26.51	30	30.5	6
11	45.99	31	26.4	— 1	5.68	30	42.7	5	31.21	57	21.7	— 3	26.81	29	29.9	1
21	46.30	30	26.5	6	5.98	29	43.2	3	31.78	55	22.0	9	27.10	28	29.8	— 3
31	46.60	28	27.1	12	6.27	27	43.5	1	32.33	51	22.9	16	27.38	26	30.1	7
April 10	46.88	25	28.3	16	6.54	26	43.6	0	32.84	45	24.5	20	27.64	25	30.8	10
20	47.13	23	29.9	19	6.80	24	43.6	0	33.29	38	26.5	25	27.89	23	31.8	14
30	47.36	19	31.8	22	7.04	22	43.6	2	33.67	31	29.0	29	28.12	20	33.2	16
Mai 10	47.55	16	34.0	25	7.26	19	43.4	2	33.98	22	31.9	31	28.32	18	34.8	18
20	47.71	12	36.5	25	7.45	17	43.2	3	34.20	14	35.0	32	28.50	14	36.6	18
30	47.83	9	39.0	26	7.62	13	42.9	2	34.34	4	38.2	33	28.64	11	38.4	20
Juni 9	47.92	4	41.6	25	7.75	10	42.7	3	34.38	— 4	41.5	31	28.75	8	40.4	18
19	47.96	0	44.1	24	7.85	5	42.4	2	34.34	13	44.6	31	28.83	4	42.2	18
29	47.96	4	46.5	22	7.90	2	42.2	2	34.21	22	47.7	28	28.87	0	44.0	17
Juli 9	47.92	7	48.7	19	7.92	— 2	42.0	2	33.99	29	50.5	24	28.87	4	45.7	15
19	47.85	12	50.6	17	7.90	6	41.8	2	33.70	37	52.9	21	28.83	7	47.2	13
29	47.73	15	52.3	13	7.84	9	41.6	1	33.33	42	55.0	17	28.76	11	48.5	11
Aug. 8	47.58	18	53.6	10	7.75	13	41.5	1	32.91	48	56.7	12	28.65	14	49.6	8
18	47.40	20	54.6	6	7.62	15	41.4	1	32.43	52	57.9	7	28.51	16	50.4	5
28	47.20	22	55.2	1	7.47	16	41.3	1	31.91	54	58.6	3	28.35	18	50.9	3
Sept. 7	46.98	22	55.3	— 2	7.31	18	41.2	1	31.37	56	58.9	— 3	28.17	18	51.2	0
17	46.76	22	55.1	6	7.13	16	41.1	0	30.81	55	58.6	9	27.99	18	51.2	4
27	46.54	20	54.5	11	6.97	16	41.1	0	30.26	52	57.7	13	27.81	18	50.8	6
Okt. 7	46.34	18	53.4	15	6.81	14	41.1	0	29.74	49	56.4	19	27.63	15	50.2	9
17	46.16	15	51.9	18	6.67	10	41.1	0	29.25	44	54.5	23	27.48	12	49.3	12
27	46.01	10	50.1	22	6.57	6	41.1	2	28.81	36	52.2	28	27.36	9	48.1	16
Nov. 6	45.91	6	47.9	25	6.51	2	41.3	3	28.45	29	49.4	31	27.27	4	46.5	17
16	45.85	1	45.4	28	6.49	— 3	41.6	4	28.16	19	46.3	34	27.23	0	44.8	21
26	45.84	— 5	42.6	30	6.52	9	42.0	5	27.97	9	42.9	37	27.23	6	42.7	22
Dez. 6	45.89	11	39.6	34	6.61	14	42.5	7	27.88	— 2	39.2	42	27.29	11	40.5	26
16	46.00	16	36.2	32	6.75	18	43.2	8	27.90	13	35.0	38	27.40	15	37.9	25
26	46.16	20	33.0	31	6.93	22	44.0	8	28.03	24	31.2	36	27.55	19	35.4	24
36	46.36		29.9		7.15		44.8		28.27		27.6		27.74		33.0	
Mittl. Ort	46.16		41.1		6.04		41.7		31.10		40.4		27.12		40.7	
	634)				637)				639)				640)			

1908	δ Herculis. $3^m.0$. AR.		Dekl. +		π Herculis. $3^m.1$. AR.		Dekl. +		ϑ Ophiuchi. $3^m.2$. AR.		Dekl. —		β Arae. $2^m.7$. AR.		Dekl. —	
	$17^h\ 11^m$		24° 56′		$17^h\ 11^m$		36° 54′		$17^h\ 16^m$		24° 54′		$17^h\ 17^m$		55° 26′	
Jan. 1	12.93	21	49.4	28	48.26	21	42.9	31	18.91	24	24.3	3	35.16	35	28.2	13
11	13.14	24	46.6	26	48.47	25	39.8	30	19.15	27	24.6	4	35.51	41	26.9	11
21	13.38	27	44.0	24	48.72	28	36.8	26	19.42	30	25.0	5	35.92	45	25.8	8
31	13.65	29	41.6	20	49.00	32	34.2	22	19.72	32	25.5	6	36.37	47	25.0	5
Febr. 10	13.94	30	39.6	16	49.32	32	32.0	17	20.04	32	26.1	6	36.84	50	24.5	3
20	14.24	31	38.0	11	49.64	34	30.3	12	20.36	33	26.7	5	37.34	51	24.2	1
März 1	14.55	31	36.9	5	49.98	33	29.1	5	20.69	33	27.2	5	37.85	51	24.3	3
11	14.86	30	36.4	1	50.31	33	28.6	1	21.02	32	27.7	4	38.36	50	24.6	6
21	15.16	30	36.3	5	50.64	32	28.7	6	21.34	32	28.1	4	38.86	49	25.2	8
31	15.46	27	36.8	9	50.96	30	29.3	12	21.66	30	28.5	4	39.35	47	26.0	11
April 10	15.73	26	37.7	14	51.26	28	30.5	16	21.96	28	28.9	2	39.82	44	27.1	13
20	15.99	23	39.1	17	51.54	25	32.1	21	22.24	27	29.1	3	40.26	40	28.4	15
30	16.22	20	40.8	20	51.79	21	34.2	24	22.51	24	29.4	2	40.66	37	29.9	16
Mai 10	16.42	18	42.8	22	52.00	17	36.6	26	22.75	22	29.6	3	41.03	32	31.5	17
20	16.60	14	45.0	23	52.17	14	39.2	27	22.97	18	29.9	2	41.35	27	33.2	19
30	16.74	10	47.3	24	52.31	10	41.9	28	23.15	16	30.1	3	41.62	22	35.1	19
Juni 9	16.84	7	49.7	23	52.41	5	44.7	28	23.31	11	30.4	3	41.84	15	37.0	20
19	16.91	2	52.0	23	52.46	0	47.5	26	23.42	7	30.7	2	41.99	8	39.0	20
29	16.93	1	54.3	20	52.46	4	50.1	25	23.49	3	30.9	3	42.07	2	41.0	19
Juli 9	16.92	6	56.3	19	52.42	8	52.6	21	23.52	1	31.2	3	42.09	5	42.9	17
19	16.86	9	58.2	16	52.34	13	54.7	19	23.51	6	31.5	3	42.04	12	44.6	16
29	16.77	12	59.8	13	52.21	16	56.6	16	23.45	9	31.8	2	41.92	17	46.2	14
Aug. 8	16.65	16	61.1	10	52.05	19	58.2	11	23.36	13	32.0	2	41.75	23	47.6	10
18	16.49	18	62.1	7	51.86	22	59.3	8	23.23	15	32.2	2	41.52	27	48.6	8
28	16.31	20	62.8	3	51.64	24	60.1	3	23.08	17	32.4	0	41.25	30	49.4	4
Sept. 7	16.11	20	63.1	1	51.40	25	60.4	1	22.91	19	32.4	0	40.95	31	49.8	0
17	15.91	21	63.0	4	51.15	24	60.3	5	22.72	18	32.4	2	40.64	31	49.8	3
27	15.70	19	62.6	9	50.91	23	59.8	11	22.54	17	32.2	1	40.33	30	49.5	7
Okt. 7	15.51	18	61.7	12	50.68	21	58.7	14	22.37	15	32.1	3	40.03	26	48.8	11
17	15.33	14	60.5	15	50.47	18	57.3	19	22.22	12	31.8	2	39.77	21	47.7	13
27	15.19	10	59.0	19	50.29	14	55.4	22	22.10	7	31.6	3	39.56	14	46.4	16
Nov. 6	15.09	6	57.1	23	50.15	9	53.2	27	22.03	3	31.3	3	39.42	7	44.8	17
16	15.03	2	54.8	25	50.06	3	50.5	29	22.00	3	31.0	1	39.35	0	43.1	19
26	15.01	5	52.3	27	50.03	2	47.6	31	22.03	7	30.9	1	39.35	9	41.2	18
Dez. 6	15.06	10	49.6	31	50.05	9	44.5	36	22.10	15	30.8	0	39.44	20	39.4	20
16	10 15.16	14	46.5	29	10 50.14	13	40.9	34	11 22.25	18	30.8	2	12 39.64	25	37.4	17
26	15.30	19	43.6	29	50.27	18	37.5	32	22.43	23	31.0	3	39.89	32	35.7	14
36	15.49		40.7		50.45		34.3		22.66		31.3		40.21		34.3	
Mittl. Ort	15.14		50.0		50.54		44.7		21.48		29.9		38.97		37.1	
	641)				643)				644)				645)			

1908	δ Arae. $3^m.6$.				α Arae. $2^m.8$.				λ Scorpii. $1^m.7$.				β Draconis. $2^m.7$.			
	AR.		Dekl. −		AR.		Dekl. −		AR.		Dekl. −		AR.		Dekl. +	
	$17^h 22^m$		60° 36′		$17^h 24^m$		49° 48′		$17^h 27^m$		37° 2′		$17^h 28^m$		52° 21′	
Jan. 1	43.17	38	19.0	16	40.21	31	6.4	11	18.65	26	8.0	4	18.61	21	66.9	35
11	43.55	45	17.4	13	40.52	35	5.3	9	18.91	29	7.6	3	18.82	26	63.4	33
21	44.00	50	16.1	11	40.87	40	4.4	7	19.20	33	7.3	1	19.08	31	60.1	30
31	44.50	54	15.0	8	41.27	42	3.7	4	19.53	35	7.2	0	19.39	36	57.1	24
Febr. 10	45.04	56	14.2	4	41.69	44	3.3	2	19.88	37	7.2	1	19.75	38	54.7	19
20	45.60	58	13.8	1	42.13	45	3.1	0	20.25	37	7.3	2	20.13	41	52.8	13
März 1	46.18	58	13.7	—2	42.58	45	3.1	3	20.62	37	7.5	3	20.54	41	51.5	7
11	46.76	57	13.9	5	43.03	45	3.4	5	20.99	37	7.8	4	20.95	41	50.8	1
21	47.33	56	14.4	8	43.48	44	3.9	7	21.36	36	8.2	5	21.36	40	50.7	—7
31	47.89	54	15.2	11	43.92	41	4.6	9	21.72	34	8.7	6	21.76	38	51.4	13
April 10	48.43	51	16.3	14	44.33	40	5.5	10	22.06	33	9.3	6	22.14	35	52.7	17
20	48.94	47	17.7	16	44.73	37	6.5	12	22.39	31	9.9	7	22.49	30	54.4	23
30	49.41	42	19.3	18	45.10	34	7.7	13	22.70	29	10.6	7	22.79	27	56.7	26
Mai 10	49.83	37	21.1	19	45.44	30	9.0	14	22.99	25	11.3	8	23.06	21	59.3	29
20	50.20	31	23.0	21	45.74	25	10.4	16	23.24	22	12.1	9	23.27	16	62.2	31
30	50.51	25	25.1	22	45.99	21	12.0	16	23.46	18	13.0	9	23.43	10	65.3	32
Juni 9	50.76	17	27.3	22	46.20	15	13.6	17	23.64	13	13.9	10	23.53	5	68.5	31
19	50.93	9	29.5	22	46.35	9	15.3	17	23.77	9	14.9	9	23.58	—2	71.6	31
29	51.02	2	31.7	21	46.44	4	17.0	16	23.86	5	15.8	10	23.56	8	74.7	28
Juli 9	51.04	—6	33.8	20	46.48	—3	18.6	15	23.91	—1	16.8	9	23.48	13	77.5	26
19	50.98	14	35.8	18	46.45	8	20.1	14	23.90	6	17.7	8	23.35	19	80.1	23
29	50.84	20	37.6	16	46.37	14	21.5	12	23.84	10	18.5	8	23.16	23	82.4	19
Aug. 8	50.64	27	39.2	13	46.23	19	22.7	10	23.74	14	19.3	6	22.93	28	84.3	15
18	50.37	32	40.5	9	46.04	23	23.7	7	23.60	18	19.9	4	22.65	32	85.8	10
28	50.05	35	41.4	5	45.81	25	24.4	4	23.42	19	20.3	3	22.33	33	86.8	5
Sept. 7	49.70	36	41.9	1	45.56	27	24.8	1	23.23	21	20.6	1	22.00	35	87.3	0
17	49.34	37	42.0	—3	45.29	27	24.9	—2	23.02	22	20.7	—2	21.65	35	87.3	4
27	48.97	35	41.7	7	45.02	26	24.7	6	22.80	20	20.5	4	21.30	34	86.9	10
Okt. 7	48.62	31	41.0	11	44.76	23	24.1	8	22.60	17	20.1	5	20.96	32	85.9	15
17	48.31	26	39.9	15	44.53	18	23.3	12	22.43	14	19.6	6	20.64	28	84.4	19
27	48.05	19	38.4	17	44.35	13	22.1	13	22.29	11	19.0	8	20.36	24	82.5	25
Nov. 6	47.86	10	36.7	19	44.22	7	20.8	14	22.18	5	18.2	8	20.12	18	80.0	28
16	47.76	1	34.8	21	44.15	—1	19.4	16	22.13	—1	17.4	9	19.94	12	77.2	32
26	47.75	—8	32.7	21	44.16	7	17.8	15	22.14	7	16.5	8	19.82	4	74.0	34
Dez. 6	47.83	20	30.6	23	44.23	17	16.3	17	22.21	15	15.7	8	19.78	—3	70.6	40
16	13 48.03	27	28.3	20	13 44.40	22	14.6	13	14 22.36	19	14.9	7	14 19.81	10	66.6	36
26	48.30	35	26.3	17	44.62	29	13.3	13	22.55	24	14.2	5	19.91	17	63.0	36
36	48.65		24.6		44.91		12.0		22.79		13.7		20.08		59.4	
Mittl. Ort	47.48		27.9		43.67		14.1		21.57		14.2		21.21		69.1	
	648)				651)				652)				653)			

1908	α Ophiuchi. 2ᵐ.1.				ϑ Scorpii. 1ᵐ.9.				ξ Serpentis. 3ᵐ.5.				η Pavonis. 3ᵐ.5.			
	AR.		Dekl. +		AR.		Dekl. —		AR.		Dekl. —		AR.		Dekl. —	
	$17^h\ 30^m$		12° 37′		$17^h\ 30^m$		42° 56′		$17^h\ 32^m$		15° 20′		$17^h\ 36^m$		64° 40′	
	s		″		s		″		s		″		s		″	
Jan. 1	37.56	19	35.9	23	39.22	28	17.3	8	16.61	22	24.8	8	37.10	41	42.0	19
11	37.75	23	33.6	22	39.50	31	16.5	6	16.83	25	25.6	9	37.51	48	40.1	17
21	37.98	25	31.4	20	39.81	35	15.9	4	17.08	26	26.5	8	37.99	54	38.4	14
31	38.23	27	29.4	17	40.16	38	15.5	3	17.34	29	27.3	8	38.53	59	37.0	11
Febr. 10	38.50	28	27.7	14	40.54	39	15.2	1	17.63	30	28.1	7	39.12	63	35.9	7
20	38.78	30	26.3	11	40.93	40	15.1	—1	17.93	31	28.8	6	39.75	65	35.2	4
März 1	39.08	29	25.2	6	41.33	40	15.2	3	18.24	30	29.4	4	40.40	66	34.8	0
11	39.37	29	24.6	2	41.73	40	15.5	4	18.54	31	29.8	3	41.06	66	34.8	3
21	39.66	29	24.4	—2	42.13	39	15.9	5	18.85	30	30.1	2	41.72	64	35.1	6
31	39.95	27	24.6	7	42.52	38	16.4	6	19.15	29	30.3	0	42.36	62	35.7	10
April 10	40.22	26	25.3	9	42.90	36	17.0	8	19.44	27	30.3	2	42.98	59	36.7	13
20	40.48	24	26.2	13	43.26	33	17.8	8	19.71	26	30.1	2	43.57	55	38.0	15
30	40.72	22	27.5	15	43.59	31	18.6	10	19.97	24	29.9	3	44.12	50	39.5	18
Mai 10	40.94	19	29.0	17	43.90	28	19.6	11	20.21	22	29.6	3	44.62	45	41.3	20
20	41.13	17	30.7	18	44.18	24	20.7	12	20.43	19	29.3	4	45.07	37	43.3	22
30	41.30	13	32.5	19	44.42	19	21.9	12	20.62	15	28.9	4	45.44	29	45.5	23
Juni 9	41.43	10	34.4	19	44.61	15	23.1	13	20.77	13	28.5	3	45.73	22	47.8	23
19	41.53	5	36.3	17	44.76	9	24.4	13	20.90	8	28.2	3	45.95	13	50.1	24
29	41.58	2	38.0	17	44.85	5	25.7	13	20.98	4	27.9	3	46.08	3	52.5	23
Juli 9	41.60	—2	39.7	15	44.90	0	27.0	12	21.02	0	27.6	2	46.11	—5	54.8	22
19	41.58	5	41.2	13	44.90	6	28.2	11	21.02	4	27.4	1	46.06	14	57.0	21
29	41.53	10	42.5	11	44.84	11	29.3	10	20.98	8	27.3	1	45.92	22	59.1	18
Aug. 8	41.43	12	43.6	9	44.73	16	30.3	8	20.90	11	27.2	1	45.70	30	60.9	15
18	41.31	15	44.5	6	44.57	20	31.1	6	20.79	14	27.1	0	45.40	36	62.4	11
28	41.16	17	45.1	4	44.37	22	31.7	4	20.65	15	27.1	1	45.04	40	63.5	7
Sept. 7	40.99	19	45.5	1	44.15	23	32.1	1	20.50	18	27.0	0	44.64	43	64.2	3
17	40.80	18	45.6	—3	43.92	23	32.2	—2	20.32	18	27.0	1	44.21	43	64.5	—2
27	40.62	18	45.3	5	43.69	23	32.0	4	20.14	16	27.1	0	43.78	42	64.3	6
Okt. 7	40.44	16	44.8	8	43.46	20	31.6	6	19.98	15	27.1	1	43.36	38	63.7	10
17	40.28	13	44.0	10	43.26	16	31.0	9	19.83	12	27.2	1	42.98	32	62.7	14
27	40.15	10	43.0	14	43.10	11	30.1	10	19.71	9	27.3	2	42.66	24	61.3	18
Nov. 6	40.05	5	41.6	16	42.99	6	29.1	11	19.62	4	27.5	2	42.42	16	59.5	20
16	40.00	1	40.0	19	42.93	0	28.0	12	19.58	—1	27.7	4	42.26	5	57.5	22
26	39.99	—3	38.1	21	42.93	7	26.8	12	19.59	6	28.1	5	42.21	—5	55.3	23
Dez. 6	40.02	9	36.0	24	43.00	15	25.6	12	19.65	11	28.6	7	42.26	16	53.0	23
16	15 40.11	13	33.6	23	15 43.15	20	24.4	10	15 19.76	16	29.3	7	42.42	29	50.7	25
26	40.24	18	31.3	23	43.35	25	23.4	9	19.92	19	30.0	7	16 42.71	37	48.2	20
36	40.42		29.0		43.60		22.5		20.11		30.7		43.08		46.2	
Mittl. Ort	39.80		35.2		42.37		23.8		19.07		28.4		42.02		49.7	
	656)				654)				658)				661)			

1908	ι Herculis. $3^m.6$. AR.		Dekl. +		ω Draconis. $4^m.9$. AR.		Dekl. +		β Ophiuchi. $2^m.8$. AR.		Dekl. +		μ Herculis. $3^m.3$. AR.		Dekl. +	
	$17^h 36^m$		46° 2′		$17^h 37^m$		68° 47′		$17^h 38^m$		4° 36′		$17^h 42^m$		27° 46′	
Jan. 1	49.59	18	75.8	34	25.75	22	59.7	36	53.36	19	19.8	19	49.15	18	26.1	30
11	49.77	24	72.4	32	25.97	34	56.1	34	53.55	22	17.9	18	49.33	21	23.1	28
21	50.01	28	69.2	29	26.31	44	52.7	30	53.77	24	16.1	16	49.54	25	20.3	25
31	50.29	32	66.3	25	26.75	51	49.7	26	54.01	27	14.5	15	49.79	27	17.8	22
Febr. 10	50.61	34	63.8	20	27.26	58	47.1	20	54.28	28	13.0	12	50.06	29	15.6	17
20	50.95	36	61.8	13	27.84	62	45.1	14	54.56	29	11.8	10	50.35	30	13.9	13
März 1	51.31	38	60.5	8	28.46	64	43.7	7	54.85	29	10.8	5	50.65	31	12.6	8
11	51.69	37	59.7	1	29.10	65	43.0	1	55.14	29	10.3	2	50.96	31	11.8	2
21	52.06	36	59.6	— 5	29.75	63	42.9	— 6	55.43	29	10.1	— 1	51.27	30	11.6	— 3
31	52.42	34	60.1	12	30.38	59	43.5	13	55.72	27	10.2	5	51.57	30	11.9	9
April 10	52.76	33	61.3	16	30.97	55	44.8	18	55.99	26	10.7	7	51.87	27	12.8	13
20	53.09	29	62.9	21	31.52	47	46.6	23	56.25	25	11.4	10	52.14	26	14.1	17
30	53.38	25	65.0	25	31.99	39	48.9	27	56.50	23	12.4	13	52.40	23	15.8	19
Mai 10	53.63	21	67.5	28	32.38	31	51.6	30	56.73	20	13.7	13	52.63	21	17.7	23
20	53.84	17	70.3	29	32.69	21	54.6	32	56.93	18	15.0	15	52.84	17	20.0	25
30	54.01	12	73.2	31	32.90	11	57.8	33	57.11	14	16.5	15	53.01	13	22.5	25
Juni 9	54.13	7	76.3	30	33.01	0	61.1	33	57.25	11	18.0	15	53.14	9	25.0	25
19	54.20	1	79.3	30	33.01	10	64.4	32	57.36	7	19.5	14	53.23	5	27.5	24
29	54.21	— 4	82.3	28	32.91	20	67.6	30	57.43	4	20.9	13	53.28	1	29.9	23
Juli 9	54.17	9	85.1	26	32.71	29	70.6	27	57.47	— 1	22.2	12	53.29	— 3	32.2	21
19	54.08	14	87.7	23	32.42	38	73.3	24	57.46	4	23.4	11	53.26	8	34.3	19
29	53.94	19	90.0	19	32.04	47	75.7	21	57.42	8	24.5	9	53.18	11	36.2	16
Aug. 8	53.75	23	91.9	15	31.57	52	77.8	16	57.34	12	25.4	6	53.07	15	37.8	13
18	53.52	26	93.4	11	31.05	58	79.4	12	57.22	14	26.0	5	52.92	18	39.1	9
28	53.26	29	94.5	6	30.47	61	80.6	6	57.08	16	26.5	3	52.74	20	40.0	6
Sept. 7	52.97	29	95.1	2	29.86	65	81.2	2	56.92	17	26.8	1	52.54	21	40.6	2
17	52.68	30	95.3	— 3	29.21	64	81.4	— 4	56.75	18	26.9	— 1	52.33	22	40.8	— 2
27	52.38	29	95.0	8	28.57	63	81.0	10	56.57	17	26.8	4	52.11	21	40.6	6
Okt. 7	52.09	28	94.2	13	27.94	60	80.0	14	56.40	15	26.4	5	51.90	20	40.0	11
17	51.81	24	92.9	18	27.34	55	78.6	19	56.25	13	25.9	8	51.70	17	38.9	14
27	51.57	20	91.1	23	26.79	49	76.7	24	56.12	9	25.1	10	51.53	14	37.5	18
Nov. 6	51.37	15	88.8	26	26.30	40	74.3	29	56.03	6	24.1	12	51.39	9	35.7	21
16	51.22	10	86.2	30	25.90	30	71.4	32	55.97	1	22.9	14	51.30	5	33.6	24
26	51.12	4	83.2	33	25.60	19	68.2	34	55.96	— 3	21.5	16	51.25	0	31.2	27
Dez. 6	51.08	— 3	79.9	34	25.41	8	64.8	37	55.99	8	19.9	18	51.25	5	28.5	29
16	51.11	10	76.5	39	25.33	— 4	61.1	41	56.07	14	18.1	20	51.30	12	25.6	33
26	[16] 51.21	16	72.6	35	[16] 25.37	17	57.0	37	[17] 56.21	17	16.1	19	[17] 51.42	15	22.3	30
36	51.37		69.1		25.54		53.3		56.38		14.2		51.57		19.3	
Mittl. Ort	52.04		77.4		29.31		62.0		55.64		18.4		51.42		26.5	
	663)				664)				665)				667)			

1908	ψ Drac. austr. $4^m.7$ AR.	Δ	Dekl. +	Δ	ξ Draconis. $3^m.6$ AR.	Δ	Dekl. +	Δ	θ Herculis. $3^m.8$ AR.	Δ	Dekl. +	Δ	35 Draconis. $5^m.1$ AR.	Δ	Dekl. +	Δ
	$17^h 43^m$		72° 11′		$17^h 51^m$		56° 52′		$17^h 53^m$		37° 15′		$17^h 53^m$		76° 58′	
Jan. 1	30.31	22	37.2	37	53.49	17	71.3	36	3.52	16	43.4	32	28.92	23	30.3	36
11	30.53	36	33.5	34	53.66	24	67.7	34	3.68	20	40.2	30	29.15	41	26.7	34
21	30.89	48	30.1	31	53.90	30	64.3	31	3.88	25	37.2	29	29.56	57	23.3	31
31	31.37	57	27.0	26	54.20	36	61.2	27	4.13	28	34.3	24	30.13	72	20.2	26
Febr. 10	31.94	66	24.4	21	54.56	40	58.5	22	4.41	30	31.9	19	30.85	83	17.6	22
20	32.60	71	22.3	15	54.96	43	56.3	15	4.71	32	30.0	15	31.68	93	15.4	15
März 1	33.31	75	20.8	8	55.39	44	54.8	9	5.03	33	28.5	8	32.61	97	13.9	10
11	34.06	75	20.0	1	55.83	45	53.9	3	5.36	34	27.7	3	33.58	100	12.9	2
21	34.81	73	19.9	5	56.28	45	53.6	4	5.70	33	27.4	4	34.58	98	12.7	4
31	35.54	70	20.4	12	56.73	42	54.0	11	6.03	31	27.8	9	35.56	94	13.1	11
April 10	36.24	64	21.6	17	57.15	40	55.1	16	6.34	31	28.7	14	36.50	86	14.2	16
20	36.88	56	23.3	22	57.55	36	56.7	21	6.65	28	30.1	19	37.36	75	15.8	21
30	37.44	46	25.5	27	57.91	31	58.8	26	6.93	25	32.0	22	38.11	63	17.9	25
Mai 10	37.90	36	28.2	29	58.22	27	61.4	29	7.18	22	34.2	26	38.74	48	20.4	29
20	38.26	24	31.1	31	58.49	20	64.3	31	7.40	18	36.8	27	39.22	33	23.3	31
30	38.50	13	34.2	33	58.69	13	67.4	32	7.58	14	39.5	29	39.55	16	26.4	33
Juni 9	38.63	0	37.5	33	58.82	8	70.6	33	7.72	10	42.4	28	39.71	0	29.7	33
19	38.63	12	40.8	32	58.90	0	73.9	32	7.82	5	45.2	29	39.71	17	33.0	32
29	38.51	25	44.0	30	58.90	7	77.1	30	7.87	0	48.1	27	39.54	34	36.2	30
Juli 9	38.26	35	47.0	28	58.83	13	80.1	29	7.87	5	50.8	24	39.20	49	39.2	29
19	37.91	46	49.8	25	58.70	20	83.0	25	7.82	9	53.2	23	38.71	62	42.1	25
29	37.45	55	52.3	21	58.50	25	85.5	22	7.73	13	55.5	19	38.09	76	44.6	22
Aug. 8	36.90	63	54.4	16	58.25	30	87.7	18	7.60	18	57.4	16	37.33	87	46.8	18
18	36.27	69	56.0	12	57.95	35	89.5	13	7.42	21	59.0	11	36.46	94	48.6	13
28	35.58	74	57.2	8	57.60	38	90.8	9	7.21	23	60.1	8	35.52	102	49.9	9
Sept. 7	34.84	77	58.0	2	57.22	40	91.7	4	6.98	25	60.9	3	34.50	106	50.8	4
17	34.07	78	58.2	3	56.82	40	92.1	2	6.73	25	61.2	1	33.44	107	51.2	2
27	33.29	76	57.9	9	56.42	40	91.9	7	6.48	24	61.1	6	32.37	108	51.0	6
Okt. 7	32.53	73	57.0	13	56.02	38	91.2	12	6.24	24	60.5	10	31.29	104	50.4	12
17	31.80	68	55.7	19	55.64	35	90.0	17	6.00	21	59.5	15	30.25	97	49.2	17
27	31.12	60	53.8	24	55.29	30	88.3	22	5.79	17	58.0	19	29.28	87	47.5	22
Nov. 6	30.52	51	51.4	28	54.99	25	86.1	26	5.62	13	56.1	23	28.41	75	45.3	26
16	30.01	40	48.6	31	54.74	18	83.5	30	5.49	8	53.8	26	27.66	62	42.7	30
26	29.61	27	45.5	34	54.56	11	80.5	34	5.41	3	51.2	30	27.04	45	39.7	33
Dez. 6	29.34	14	42.1	37	54.45	3	77.1	35	5.38	2	48.2	31	26.59	27	36.4	36
16	29.20	1	38.4	41	54.42	6	73.6	41	5.40	9	45.1	36	26.32	9	32.8	40
26	[18] 29.21	15	34.3	37	[19] 54.48	13	69.5	37	[20] 5.49	14	41.5	33	[20] 26.23	12	28.8	36
36	29.36		30.6		54.61		65.8		5.63		38.2		26.35		25.2	
Mittl. Ort	34.32		39.1		56.27		72.7		5.86		44.2		34.00		31.7	
	670)				671)				672)				675)			

1908	ν Ophiuchi. $3^m.4$.				γ Draconis. $2^m.3$.				67 Ophiuchi. $4^m.0$.				γ Sagittarii. $3^m.0$.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. −	
	$17^h 53^m$		9° 45′		$17^h 54^m$		51° 29′		$17^h 55^m$		2° 55′		$17^h 59^m$		30° 25′	
Jan. 1	55.26	18	44.1	11	25.58	16	56.6	35	59.92	17	68.7	17	51.04	21	29.7	2
11	55.44	22	45.2	10	25.74	22	53.1	34	60.09	21	67.0	17	51.25	25	29.5	2
21	55.66	25	46.2	10	25.96	27	49.7	30	60.30	23	65.3	16	51.50	28	29.3	0
31	55.91	27	47.2	9	26.23	33	46.7	27	60.53	26	63.7	14	51.78	30	29.3	1
Febr. 10	56.18	29	48.1	8	26.56	35	44.0	21	60.79	27	62.3	11	52.08	32	29.2	1
20	56.47	29	48.9	5	26.91	39	41.9	16	61.06	28	61.2	9	52.40	34	29.3	0
März 1	56.76	30	49.4	4	27.30	40	40.3	9	61.34	29	60.3	6	52.74	34	29.3	1
11	57.06	30	49.8	2	27.70	40	39.4	3	61.63	29	59.7	2	53.08	34	29.4	1
21	57.36	29	50.0	0	28.10	40	39.1	4	61.92	29	59.5	1	53.42	34	29.5	1
31	57.65	29	50.0	2	28.50	39	39.5	10	62.21	28	59.6	5	53.76	33	29.6	1
April 10	57.94	28	49.8	4	28.89	36	40.5	15	62.49	27	60.1	7	54.09	33	29.7	2
20	58.22	27	49.4	5	29.25	33	42.0	21	62.76	26	60.8	10	54.42	30	29.9	1
30	58.49	25	48.9	7	29.58	29	44.1	25	63.02	24	61.8	12	54.72	29	30.0	2
Mai 10	58.74	22	48.2	7	29.87	24	46.6	28	63.26	22	63.0	13	55.01	27	30.2	3
20	58.96	20	47.5	7	30.11	20	49.4	30	63.48	19	64.3	14	55.28	24	30.5	3
30	59.16	17	46.8	8	30.31	14	52.4	32	63.67	16	65.7	14	55.52	20	30.8	4
Juni 9	59.33	14	46.0	7	30.45	8	55.6	32	63.83	13	67.1	15	55.72	17	31.2	4
19	59.47	10	45.3	7	30.53	2	58.8	32	63.96	9	68.6	14	55.89	12	31.6	6
29	59.57	6	44.6	6	30.55	3	62.0	29	64.05	5	70.0	13	56.01	7	32.2	5
Juli 9	59.63	1	44.0	5	30.52	10	64.9	28	64.10	1	71.3	12	56.08	3	32.7	6
19	59.64	2	43.5	5	30.42	16	67.7	25	64.11	3	72.5	10	56.11	2	33.3	6
29	59.62	7	43.0	3	30.26	20	70.2	22	64.08	7	73.5	8	56.09	7	33.9	6
Aug. 8	59.55	10	42.7	2	30.06	25	72.4	17	64.01	10	74.3	7	56.02	10	34.5	5
18	59.45	13	42.5	2	29.81	29	74.1	14	63.91	14	75.0	5	55.92	14	35.0	5
28	59.32	15	42.3	1	29.52	32	75.5	8	63.77	15	75.5	3	55.78	17	35.5	4
Sept. 7	59.17	17	42.2	0	29.20	34	76.3	4	63.62	17	75.8	2	55.61	19	35.9	2
17	59.00	17	42.2	1	28.86	35	76.7	1	63.45	18	76.0	1	55.42	20	36.1	1
27	58.83	17	42.3	1	28.51	34	76.6	6	63.27	17	75.9	3	55.22	19	36.2	1
Okt. 7	58.66	15	42.4	2	28.17	33	76.0	12	63.10	16	75.6	5	55.03	18	36.1	1
17	58.51	13	42.6	4	27.84	29	74.8	16	62.94	13	75.1	7	54.85	15	36.0	3
27	58.38	10	43.0	4	27.55	26	73.2	21	62.81	11	74.4	8	54.70	11	35.7	4
Nov. 6	58.28	6	43.4	6	27.29	21	71.1	26	62.70	6	73.6	11	54.59	7	35.3	4
16	58.22	2	44.0	6	27.08	14	68.5	29	62.64	3	72.5	13	54.52	2	34.9	5
26	58.20	3	44.6	8	26.94	9	65.6	33	62.61	2	71.2	15	54.50	3	34.4	4
Dez. 6	58.23	9	45.4	9	26.85	1	62.3	34	62.63	7	69.7	16	54.53	9	34.0	4
16	58.32	14	46.3	10	26.84	6	58.9	40	62.70	12	68.1	19	54.62	15	33.6	4
26	[20] 58.46	17	47.3	10	[20] 26.90	13	54.9	36	[20] 62.82	16	66.2	18	[21] 54.77	19	33.2	3
36	58.63		48.3		27.03		51.3		62.98		64.4		54.96		32.9	
Mittl. Ort	57.68		46.2		28.17		57.8		62.22		67.6		53.84		32.9	
	(673)				(676)				(677)				(679)			

1908	72 Ophiuchi. 3ᵐ.6.				o Herculis. 3ᵐ.8.				μ Sagittarii. 3ᵐ.9.				η Serpentis. 3ᵐ.2.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. —		AR.		Dekl. —	
	18ʰ 2ᵐ		9° 32′		18ʰ 3ᵐ		28° 44′		18ʰ 8ᵐ		21° 4′		18ʰ 16ᵐ		2° 55′	
Jan. 1	56ˢ.98	16	61″.4	21	54.92	15	57.3	29	13.07	18	58″.6	3	30.57	16	23.0	13
11	57.14	20	59.3	20	55.07	20	54.4	28	13.25	23	58.9	3	30.73	19	24.3	14
21	57.34	23	57.3	18	55.27	22	51.6	26	13.48	25	59.2	4	30.92	23	25.7	12
31	57.57	25	55.5	16	55.49	26	49.0	23	13.73	28	59.6	3	31.15	24	26.9	12
Febr. 10	57.82	27	53.9	14	55.75	28	46.7	18	14.01	29	59.9	3	31.39	27	28.1	9
20	58.09	27	52.5	10	56.03	30	44.9	14	14.30	30	60.2	3	31.66	27	29.0	7
März 1	58.36	29	51.5	7	56.33	30	43.5	9	14.60	32	60.5	1	31.93	29	29.7	5
11	58.65	29	50.8	2	56.63	31	42.6	3	14.92	31	60.6	1	32.22	29	30.2	1
21	58.94	29	50.6	2	56.94	31	42.3	2	15.23	32	60.7	1	32.51	29	30.3	1
31	59.23	28	50.8	5	57.25	31	42.5	8	15.55	31	60.6	0	32.80	29	30.2	3
April 10	59.51	28	51.3	9	57.56	29	43.3	12	15.86	30	60.6	2	33.09	28	29.9	6
20	59.79	26	52.2	12	57.85	27	44.5	17	16.16	30	60.4	3	33.37	27	29.3	9
30	60.05	24	53.4	14	58.12	25	46.2	20	16.46	27	60.1	2	33.64	25	28.4	10
Mai 10	60.29	22	54.8	16	58.37	22	48.2	23	16.73	25	59.9	3	33.89	24	27.4	11
20	60.51	19	56.4	17	58.59	19	50.5	25	16.98	23	59.6	2	34.13	21	26.3	11
30	60.70	16	58.1	18	58.78	15	53.0	26	17.21	20	59.4	2	34.34	18	25.2	12
Juni 9	60.86	13	59.9	18	58.93	12	55.6	26	17.41	16	59.2	1	34.52	15	24.0	12
19	60.99	9	61.7	18	59.05	7	58.2	26	17.57	12	59.1	1	34.67	11	22.8	11
29	61.08	5	63.5	16	59.12	3	60.8	25	17.69	7	59.0	0	34.78	7	21.7	11
Juli 9	61.13	1	65.1	16	59.15	2	63.3	22	17.76	4	59.0	1	34.85	3	20.6	9
19	61.14	3	66.7	13	59.13	6	65.5	21	17.80	1	59.1	1	34.88	1	19.7	7
29	61.11	7	68.0	12	59.07	10	67.6	18	17.79	6	59.2	2	34.87	5	19.0	7
Aug. 8	61.04	10	69.2	9	58.97	14	69.4	15	17.73	9	59.4	2	34.82	9	18.3	5
18	60.94	14	70.1	7	58.83	17	70.9	11	17.64	12	59.6	2	34.73	12	17.8	4
28	60.80	16	70.8	5	58.66	20	72.0	8	17.52	16	59.8	2	34.61	14	17.4	2
Sept. 7	60.64	17	71.3	2	58.46	21	72.8	4	17.36	17	60.0	1	34.47	17	17.2	1
17	60.47	19	71.5	1	58.25	22	73.2	0	17.19	18	60.1	1	34.30	17	17.1	1
27	60.28	18	71.4	3	58.03	22	73.2	5	17.01	18	60.2	1	34.13	18	17.2	2
Okt. 7	60.10	16	71.1	5	57.81	20	72.7	8	16.83	16	60.3	1	33.95	16	17.4	4
17	59.94	14	70.6	9	57.61	19	71.9	12	16.67	14	60.4	0	33.79	14	17.8	5
27	59.80	12	69.7	11	57.42	15	70.7	16	16.53	11	60.4	0	33.65	12	18.3	7
Nov. 6	59.68	8	68.6	13	57.27	12	69.1	20	16.42	8	60.4	0	33.53	7	19.0	8
16	59.60	3	67.3	16	57.15	7	67.1	23	16.34	2	60.4	0	33.46	4	19.8	10
26	59.57	0	65.7	18	57.08	2	64.8	26	16.32	3	60.4	1	33.42	1	20.8	11
Dez. 6	59.57	6	63.9	19	57.06	3	62.2	28	16.35	7	60.5	2	33.43	5	21.9	12
16	59.63	11	62.0	23	57.09	9	59.4	33	16.42	13	60.7	2	33.48	10	23.1	15
26	[23] 59.74	14	59.7	21	[22] 57.18	13	56.1	29	[23] 16.55	17	60.9	2	[25] 33.58	14	24.6	13
36	59.88		57.6		57.31		53.2		16.72		61.1		33.72		25.9	
Mittl. Ort	59.27		60.8		57.21		57.5		15.67		60.7		32.95		23.8	
	680)				681)				682)				688)			

1908	ε Sagittarii. $1^m.9$.				109 Herculis. $3^m.9$.				α Telescopii. $3^m.7$.				b Draconis. $5^m.1$.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. +	
	$18^h\ 18^m$	Δ	$34°\ 25'$	Δ	$18^h\ 19^m$	Δ	$21°\ 43'$	Δ	$18^h\ 20^m$	Δ	$46°\ 1'$	Δ	$18^h\ 22^m$	Δ	$58°\ 44'$	Δ
Jan. 1	0.99	19	41.0	5	44.36	14	38.5	27	5.70	22	8.4	13	31.16	12	50.0	38
11	1.18	24	40.5	5	44.50	18	35.8	25	5.92	28	7.1	11	31.28	19	46.2	35
21	1.42	28	40.0	4	44.68	21	33.3	24	6.20	32	6.0	11	31.47	26	42.7	32
31	1.70	30	39.6	4	44.89	24	30.9	21	6.52	34	4.9	9	31.73	32	39.5	29
Febr. 10	2.00	32	39.2	3	45.13	26	28.8	17	6.86	38	4.0	7	32.05	38	36.6	25
20	2.32	34	38.9	2	45.39	28	27.1	14	7.24	40	3.3	6	32.43	42	34.1	19
März 1	2.66	35	38.7	1	45.67	29	25.7	8	7.64	41	2.7	4	32.85	44	32.2	12
11	3.01	36	38.6	1	45.96	30	24.9	3	8.05	42	2.3	2	33.29	47	31.0	6
21	3.37	36	38.5	1	46.26	30	24.6	1	8.47	42	2.1	0	33.76	46	30.4	1
31	3.73	35	38.4	1	46.56	29	24.7	6	8.89	41	2.1	1	34.22	46	30.5	7
April 10	4.08	35	38.3	1	46.85	29	25.3	11	9.30	40	2.2	3	34.68	44	31.2	13
20	4.43	33	38.4	2	47.14	28	26.4	14	9.70	40	2.5	4	35.12	41	32.5	19
30	4.76	32	38.6	2	47.42	25	27.8	18	10.10	37	2.9	6	35.53	36	34.4	23
Mai 10	5.08	29	38.8	3	47.67	24	29.6	20	10.47	34	3.5	8	35.89	31	36.7	28
20	5.37	26	39.1	4	47.91	20	31.6	23	10.81	31	4.3	10	36.20	26	39.5	30
30	5.63	23	39.5	5	48.11	17	33.9	23	11.12	26	5.3	11	36.46	18	42.5	33
Juni 9	5.86	19	40.0	6	48.28	13	36.2	24	11.38	22	6.4	13	36.64	12	45.8	33
19	6.05	14	40.6	7	48.41	10	38.6	24	11.60	17	7.7	13	36.76	5	49.1	33
29	6.19	10	41.3	8	48.51	5	41.0	22	11.77	10	9.0	14	36.81	3	52.4	33
Juli 9	6.29	5	42.1	8	48.56	1	43.2	21	11.87	5	10.4	15	36.78	10	55.7	30
19	6.34	0	42.9	8	48.57	3	45.3	19	11.92	1	11.9	14	36.68	17	58.7	28
29	6.34	6	43.7	8	48.54	8	47.2	17	11.91	7	13.3	13	36.51	24	61.5	25
Aug. 8	6.28	10	44.5	8	48.46	11	48.9	14	11.84	12	14.6	12	36.27	29	64.0	22
18	6.18	14	45.3	6	48.35	14	50.3	11	11.72	17	15.8	11	35.98	34	66.2	17
28	6.04	17	45.9	6	48.21	18	51.4	8	11.55	21	16.9	8	35.64	39	67.9	13
Sept. 7	5.87	19	46.5	4	48.03	19	52.2	4	11.34	23	17.7	6	35.25	41	69.2	8
17	5.68	21	46.9	2	47.84	20	52.6	1	11.11	25	18.3	3	34.84	43	70.0	3
27	5.47	20	47.1	0	47.64	20	52.7	3	10.86	25	18.6	1	34.41	43	70.3	3
Okt. 7	5.27	19	47.1	1	47.44	19	52.4	6	10.61	24	18.5	3	33.98	42	70.0	7
17	5.08	17	47.0	3	47.25	17	51.8	10	10.37	21	18.2	6	33.56	40	69.3	13
27	4.91	14	46.7	4	47.08	15	50.8	14	10.16	16	17.6	8	33.16	35	68.0	18
Nov. 6	4.77	9	46.3	6	46.93	11	49.4	17	10.00	12	16.8	10	32.81	31	66.2	23
16	4.68	4	45.7	6	46.82	6	47.7	20	9.88	6	15.8	12	32.50	25	63.9	27
26	4.64	2	45.1	7	46.76	3	45.7	22	9.82	0	14.6	13	32.25	17	61.2	31
Dez. 6	4.66	6	44.4	7	46.73	3	43.5	24	9.82	7	13.3	13	32.08	10	58.1	34
16	4.72	14	43.7	7	46.76	7	41.1	26	9.89	13	12.0	14	31.98	2	54.7	36
26	[25] 4.86	18	43.0	6	46.83	13	38.5	29	10.02	22	10.6	15	31.96	8	51.1	40
36	5.04		42.4		[26] 46.96		35.6		[26] 10.24		9.1		[26] 32.04		47.1	
Mittl. Ort	3.92		43.1		46.64		38.3		9.11		10.7		34.04		49.9	
	689)				690)				691)				694)			

1908	χ Draconis. 3ᵐ.6. AR.		Dekl. +		ζ Pavonis. 4ᵐ.0. AR.		Dekl. —		α Lyrae. 1ᵐ.*) AR.		Dekl. +		110 Herculis. 4ᵐ.1. AR.		Dekl. +	
	18ʰ 22ᵐ		72° 41′		18ʰ 32ᵐ		71° 30′		18ʰ 33ᵐ		38° 41′		18ʰ 41ᵐ		20° 27′	
Jan. 1	38.84	11	35.3	37	10.74	36	26.8	26	47.03	12	51.4	32	39.85	12	28.1	26
11	38.95	24	31.6	35	11.10	48	24.2	25	47.15	16	48.2	31	39.97	16	25.5	25
21	39.19	38	28.1	33	11.58	58	21.7	22	47.31	21	45.1	30	40.13	19	23.0	22
31	39.57	49	24.8	30	12.16	67	19.5	19	47.52	24	42.1	26	40.32	22	20.8	21
Febr. 10	40.06	60	21.8	24	12.83	74	17.6	17	47.76	28	39.5	21	40.54	24	18.7	17
20	40.66	67	19.4	20	13.57	79	15.9	14	48.04	30	37.4	17	40.78	27	17.0	14
März 1	41.33	73	17.4	13	14.36	84	14.5	9	48.34	32	35.7	12	41.05	28	15.6	9
11	42.06	76	16.1	6	15.20	86	13.6	6	48.66	33	34.5	5	41.33	29	14.7	5
21	42.82	77	15.5	0	16.06	87	13.0	2	48.99	34	34.0	0	41.62	29	14.2	— 1
31	43.59	76	15.5	7	16.93	86	12.8	— 2	49.33	34	34.0	7	41.91	30	14.3	5
April 10	44.35	70	16.2	13	17.79	84	13.0	5	49.67	32	34.7	12	42.21	29	14.8	10
20	45.05	65	17.5	18	18.63	81	13.5	10	49.99	31	35.9	17	42.50	29	15.8	14
30	45.70	57	19.3	23	19.44	76	14.5	13	50.30	29	37.6	21	42.79	26	17.2	17
Mai 10	46.27	46	21.6	27	20.20	69	15.8	16	50.59	26	39.7	25	43.05	25	18.9	20
20	46.73	36	24.3	31	20.89	61	17.4	20	50.85	22	42.2	27	43.30	22	20.9	21
30	47.09	24	27.4	32	21.50	52	19.4	22	51.07	18	44.9	29	43.52	19	23.0	23
Juni 9	47.33	12	30.6	33	22.02	42	21.6	24	51.25	14	47.8	30	43.71	16	25.3	24
19	47.45	— 1	33.9	33	22.44	31	24.0	25	51.39	9	50.8	30	43.87	12	27.7	24
29	47.44	14	37.2	33	22.75	18	26.5	26	51.48	5	53.8	29	43.99	7	30.1	23
Juli 9	47.30	26	40.5	31	22.93	5	29.1	26	51.53	— 1	56.7	28	44.06	3	32.4	21
19	47.04	37	43.6	28	22.98	— 7	31.7	25	51.52	6	59.5	26	44.09	— 1	34.5	20
29	46.67	49	46.4	26	22.91	19	34.2	24	51.46	11	62.1	23	44.08	5	36.5	17
Aug. 8	46.18	58	49.0	21	22.72	31	36.6	22	51.35	15	64.4	19	44.03	10	38.2	15
18	45.60	66	51.1	18	22.41	41	38.8	18	51.20	19	66.3	15	43.93	13	39.7	12
28	44.94	72	52.9	13	22.00	49	40.6	14	51.01	22	67.8	12	43.80	16	40.9	9
Sept. 7	44.22	77	54.2	8	21.51	55	42.0	10	50.79	24	69.0	8	43.64	18	41.8	6
17	43.45	80	55.0	4	20.96	59	43.0	6	50.55	26	69.8	3	43.46	20	42.4	2
27	42.65	80	55.4	— 2	20.37	60	43.6	0	50.29	26	70.1	— 2	43.26	20	42.6	— 2
Okt. 7	41.85	79	55.2	8	19.77	58	43.6	5	50.03	25	69.9	6	43.06	19	42.4	4
17	41.06	75	54.4	13	19.19	53	43.1	10	49.78	24	69.3	11	42.87	18	42.0	9
27	40.31	69	53.1	18	18.66	46	42.1	14	49.54	20	68.2	15	42.69	15	41.1	12
Nov. 6	39.62	61	51.3	23	18.20	37	40.7	19	49.34	17	66.7	20	42.54	12	39.9	14
16	39.01	51	49.0	28	17.83	24	38.8	22	49.17	12	64.7	24	42.42	8	38.5	18
26	38.50	40	46.2	31	17.59	12	36.6	24	49.05	8	62.3	26	42.34	4	36.7	21
Dez. 6	38.10	26	43.1	34	17.47	— 2	34.2	26	48.97	2	59.7	30	42.30	0	34.6	23
16	37.84	13	39.7	36	17.49	15	31.6	27	48.95	— 3	56.7	32	42.30	5	32.3	25
26	37.71	— 1	36.1	41	17.64	32	28.9	29	48.98	9	53.5	35	42.35	10	29.8	27
36	[26] 37.72		32.0		[29] 17.96		26.0		[29] 49.07		50.0		[31] 42.45		27.1	
Mittl. Ort	42.97		35.1		17.37		28.7		49.40		51.3		42.13		27.9	
	695)				698)				699)				703)			

*) Die jährliche Parallaxe ist bereits angebracht.

1908	λ Pavonis. $4^m.3$. AR.		Dekl. −		β Lyrae. ($3^m.3$). AR.		Dekl. +		σ Sagittarii. $2^m.1$. AR.		Dekl. −		o Draconis. $4^m.6$. AR.		Dekl. +	
	$18^h 43^m$		62° 17′		$18^h 46^m$		33° 15′		$18^h 49^m$		26° 24′		$18^h 49^m$		59° 16′	
Jan. 1	36.87	27	37.2	25	38.67	10	20.3	32	30.92	16	42.3	3	47.80	6	34.0	39
11	37.14	33	34.7	22	38.77	15	17.1	30	31.08	19	42.0	2	47.86	14	30.1	36
21	37.47	39	32.5	20	38.92	18	14.1	28	31.27	23	41.8	1	48.00	22	26.5	33
31	37.86	46	30.5	17	39.10	23	11.3	25	31.50	25	41.7	2	48.22	28	23.2	30
Febr. 10	38.32	51	28.7	15	39.33	25	8.8	21	31.75	28	41.5	2	48.50	34	20.2	27
20	38.83	55	27.2	13	39.58	28	6.7	17	32.03	30	41.3	3	48.84	40	17.5	22
März 1	39.38	58	25.9	10	39.86	30	5.0	12	32.33	31	41.0	2	49.24	43	15.3	15
11	39.96	59	24.9	7	40.16	31	3.8	6	32.64	32	40.8	3	49.67	45	13.8	9
21	40.55	60	24.2	3	40.47	32	3.2	0	32.96	32	40.5	4	50.12	47	12.9	3
31	41.15	62	23.9	1	40.79	32	3.2	5	33.28	33	40.1	4	50.59	48	12.6	— 5
April 10	41.77	59	23.8	— 3	41.11	31	3.7	10	33.61	33	39.7	4	51.07	45	13.1	10
20	42.36	58	24.1	5	41.42	31	4.7	15	33.94	32	39.3	3	51.52	44	14.1	16
30	42.94	55	24.6	9	41.73	28	6.2	20	34.26	31	39.0	4	51.96	40	15.7	22
Mai 10	43.49	51	25.5	12	42.01	26	8.2	23	34.57	30	38.6	2	52.36	35	17.9	25
20	44.00	46	26.7	14	42.27	24	10.5	26	34.87	27	38.4	2	52.71	30	20.4	30
30	44.46	40	28.1	18	42.51	19	13.1	27	35.14	24	38.2	2	53.01	23	23.4	31
Juni 9	44.86	34	29.9	19	42.70	16	15.8	28	35.38	20	38.0	0	53.24	17	26.5	33
19	45.20	25	31.8	21	42.86	11	18.6	29	35.58	17	38.0	1	53.41	9	29.8	34
29	45.45	18	33.9	21	42.97	7	21.5	28	35.75	12	38.1	3	53.50	2	33.2	33
Juli 9	45.63	8	36.0	23	43.04	2	24.3	26	35.87	8	38.4	3	53.52	— 6	36.5	33
19	45.71	1	38.3	22	43.06	— 3	26.9	25	35.95	3	38.7	4	53.46	13	39.8	30
29	45.72	— 10	40.5	20	43.03	8	29.4	22	35.98	— 2	39.1	5	53.33	20	42.8	28
Aug. 8	45.62	17	42.5	20	42.95	12	31.6	20	35.96	7	39.6	5	53.13	27	45.6	24
18	45.45	25	44.5	17	42.83	16	33.6	16	35.89	10	40.1	5	52.86	32	48.0	21
28	45.20	30	46.2	14	42.67	19	35.2	12	35.79	14	40.6	5	52.54	37	50.1	17
Sept. 7	44.90	36	47.6	10	42.48	22	36.4	8	35.65	16	41.1	4	52.17	40	51.8	11
17	44.54	38	48.6	6	42.26	23	37.2	4	35.49	19	41.5	3	51.77	43	52.9	7
27	44.16	39	49.2	3	42.03	24	37.6	0	35.30	18	41.8	2	51.34	44	53.6	2
Okt. 7	43.77	38	49.5	— 3	41.79	23	37.6	5	35.12	18	42.0	2	50.90	43	53.8	— 4
17	43.39	36	49.2	7	41.56	21	37.1	9	34.94	17	42.2	0	50.47	42	53.4	9
27	43.03	30	48.5	11	41.35	19	36.2	13	34.77	14	42.2	0	50.05	38	52.5	15
Nov. 6	42.73	24	47.4	14	41.16	16	34.9	18	34.63	10	42.2	1	49.67	34	51.0	19
16	42.49	17	46.0	18	41.00	12	33.1	21	34.53	6	42.1	2	49.33	29	49.1	24
26	42.32	7	44.2	21	40.88	8	31.0	24	34.47	1	41.9	2	49.04	22	46.7	29
Dez. 6	42.25	— 1	42.1	21	40.80	2	28.6	27	34.46	— 3	41.7	3	48.82	15	43.8	31
16	42.26	12	40.0	23	40.78	— 2	25.9	29	34.49	8	41.4	2	48.67	7	40.7	35
26	42.38	22	37.7	25	40.80	8	23.0	33	34.57	14	41.2	2	48.60	— 2	37.2	39
36	42.60		35.2		40.88		19.7		34.71		41.0		48.62		33.3	
Mittl. Ort	41.68		37.4		40.99		19.6		33.67		41.8		50.68		32.4	
	704)				705)				706)				707)			

1908	λ Telescopii. 5m.1. AR.		Dekl. −		ϑ Serpentis pr. 4m.5. AR.		Dekl. +		β Lyrae. (4m.5). AR.		Dekl. +		γ Lyrae. 3m.2. AR.		Dekl. +	
	18h 51m		53° 3′		18h 51m		4° 4′		18h 52m		43° 49′		18h 55m		32° 33′	
Jan. 1	2.37	22	35.0	20	36.43	13	59.8	18	29.71	9	29.3	36	27.80	10	47.3	32
11	[3] 2.59	26	33.0	17	[3] 36.56	15	58.0	17	[3] 29.80	14	25.7	33	[4] 27.90	13	44.1	30
21	2.85	31	31.3	16	36.71	19	56.3	15	29.94	18	22.4	31	28.03	18	41.1	28
31	3.16	36	29.7	15	36.90	22	54.8	13	30.12	23	19.3	28	28.21	21	38.3	25
Febr. 10	3.52	40	28.2	13	37.12	23	53.5	11	30.35	27	16.5	24	28.42	25	35.8	21
20	3.92	42	26.9	12	37.35	26	52.4	9	30.62	31	14.1	20	28.67	27	33.7	17
März 1	4.34	45	25.7	9	37.61	27	51.5	5	30.93	32	12.1	13	28.94	29	32.0	12
11	4.79	47	24.8	7	37.88	28	51.0	2	31.25	35	10.8	8	29.23	31	30.8	7
21	5.26	48	24.1	5	38.16	29	50.8	2	31.60	35	10.0	1	29.54	31	30.1	1
31	5.74	48	23.6	2	38.45	29	51.0	5	31.95	36	9.9	4	29.85	32	30.0	5
April 10	6.22	47	23.4	0	38.74	29	51.5	8	32.31	35	10.3	10	30.17	31	30.5	10
20	6.69	46	23.4	2	39.03	28	52.3	11	32.66	34	11.3	16	30.48	31	31.5	15
30	7.15	45	23.6	5	39.31	27	53.4	13	33.00	31	12.9	20	30.79	29	33.0	19
Mai 10	7.60	42	24.1	8	39.58	25	54.7	14	33.31	29	14.9	25	31.08	27	34.9	22
20	8.02	38	24.9	10	39.83	24	56.1	16	33.60	25	17.4	27	31.35	24	37.1	25
30	8.40	34	25.9	13	40.07	20	57.7	17	33.85	21	20.1	30	31.59	20	39.6	27
Juni 9	8.74	28	27.2	14	40.27	18	59.4	17	34.06	16	23.1	31	31.79	17	42.3	29
19	9.02	23	28.6	16	40.45	14	61.1	16	34.22	11	26.2	32	31.96	12	45.2	28
29	9.25	16	30.2	17	40.59	10	62.7	15	34.33	6	29.4	31	32.08	7	48.0	28
Juli 9	9.41	10	31.9	18	40.69	5	64.2	14	34.39	0	32.5	30	32.15	3	50.8	27
19	9.51	2	33.7	18	40.74	2	65.6	13	34.39	5	35.5	28	32.18	2	53.5	25
29	9.53	4	35.5	17	40.76	3	66.9	10	34.34	11	38.3	25	32.16	6	56.0	23
Aug. 8	9.49	11	37.2	16	40.73	7	67.9	9	34.23	15	40.8	22	32.10	11	58.3	19
18	9.38	18	38.8	15	40.66	10	68.8	7	34.08	20	43.0	19	31.99	15	60.2	16
28	9.20	22	40.3	12	40.56	13	69.5	5	33.88	23	44.9	15	31.84	19	61.8	13
Sept. 7	8.98	26	41.5	10	40.43	16	70.0	3	33.65	26	46.4	10	31.65	21	63.1	9
17	8.72	28	42.5	7	40.27	17	70.3	1	33.39	28	47.4	6	31.44	22	64.0	5
27	8.44	29	43.2	3	40.10	18	70.4	2	33.11	29	48.0	2	31.22	24	64.5	1
Okt. 7	8.15	29	43.5	1	39.92	16	70.2	3	32.82	28	48.2	4	30.98	22	64.6	4
17	7.86	27	43.4	5	39.76	16	69.9	5	32.54	27	47.8	9	30.76	22	64.2	8
27	7.59	23	42.9	8	39.60	13	69.4	8	32.27	24	46.9	14	30.54	19	63.4	12
Nov. 6	7.36	17	42.1	11	39.47	11	68.6	10	32.03	21	45.5	18	30.35	16	62.2	17
16	7.19	12	41.0	13	39.36	7	67.6	11	31.82	17	43.7	23	30.19	13	60.5	20
26	7.07	5	39.7	16	39.29	2	66.5	13	31.65	12	41.4	26	30.06	8	58.5	24
Dez. 6	7.02	2	38.1	17	39.27	1	65.2	15	31.53	6	38.8	29	29.98	3	56.1	26
16	7.04	9	36.4	18	39.28	6	63.7	16	31.47	1	35.9	32	29.95	2	53.5	29
26	7.13	18	34.6	21	39.34	11	62.1	18	31.46	6	32.7	36	29.97	7	50.6	32
36	[33] 7.31		32.5		[33] 39.45		60.3		[33] 31.52		29.1		[34] 30.04		47.4	
Mittl. Ort	6.26		34.3		38.76		59.8		32.15		28.1		30.11		46.4	
	708)				709)				711)				713)			

1908	ζ Aquilae. 3^m.0 AR.		ζ Aquilae. Dekl. +		λ Aquilae. 3^m.2 AR.		λ Aquilae. Dekl. —		α Coron. austr. 4^m.1 AR.		α Coron. austr. Dekl. —		π Sagittarii. 2^m.9 AR.		π Sagittarii. Dekl. —	
	19^h 1^m	Δ	13° 43′	Δ	19^h 1^m	Δ	5° 1′	Δ	19^h 3^m	Δ	38° 2′	Δ	19^h 4^m	Δ	21° 10′	Δ
Jan. 1	8.61	11	34.2	23	19.61	13	16.4	12	9.75	16	55.9	11	14.96	14	15.0	1
11	[5] 8.72	14	31.9	21	[5] 19.74	15	17.6	11	[5] 9.91	20	54.8	10	[6] 15.10	17	15.1	0
21	8.86	17	29.8	20	19.89	18	18.7	10	10.11	24	53.8	9	15.27	20	15.1	1
31	9.03	20	27.8	18	20.07	22	19.7	8	10.35	27	52.9	9	15.47	23	15.2	0
Febr. 10	9.23	23	26.0	15	20.29	24	20.5	7	10.62	30	52.0	8	15.70	26	15.2	1
20	9.46	25	24.5	11	20.53	25	21.2	5	10.92	32	51.2	8	15.96	27	15.1	2
März 1	9.71	27	23.4	8	20.78	27	21.7	2	11.24	35	50.4	7	16.23	29	14.9	2
11	9.98	28	22.6	4	21.05	28	21.9	0	11.59	36	49.7	6	16.52	31	14.7	3
21	10.26	29	22.2	1	21.33	29	21.9	2	11.95	37	49.1	6	16.83	31	14.4	4
31	10.55	29	22.3	5	21.62	30	21.7	5	12.32	38	48.5	5	17.14	31	14.0	5
April 10	10.84	29	22.8	8	21.92	29	21.2	7	12.70	37	48.0	3	17.45	32	13.5	6
20	11.13	28	23.6	13	22.21	29	20.5	9	13.07	36	47.7	2	17.77	31	12.9	6
30	11.41	28	24.9	15	22.50	28	19.6	11	13.43	36	47.5	1	18.08	31	12.3	6
Mai 10	11.69	26	26.4	18	22.78	27	18.5	12	13.79	34	47.4	1	18.39	29	11.7	6
20	11.95	23	28.2	20	23.05	24	17.3	12	14.13	31	47.5	2	18.68	27	11.1	6
30	12.18	21	30.2	20	23.29	22	16.1	12	14.44	28	47.7	4	18.95	24	10.5	4
Juni 9	12.39	18	32.2	21	23.51	20	14.9	13	14.72	25	48.1	5	19.19	21	10.1	4
19	12.57	14	34.3	22	23.71	15	13.6	11	14.97	21	48.6	7	19.40	18	9.7	3
29	12.71	10	36.5	20	23.86	12	12.5	11	15.18	15	49.3	9	19.58	13	9.4	1
Juli 9	12.81	6	38.5	19	23.98	7	11.4	9	15.33	10	50.2	10	19.71	9	9.3	0
19	12.87	1	40.4	18	24.05	3	10.5	8	15.43	4	51.2	11	19.80	5	9.3	1
29	12.88	3	42.2	15	24.08	2	9.7	7	15.47	1	52.3	11	19.85	1	9.4	2
Aug. 8	12.85	7	43.7	13	24.06	5	9.0	5	15.46	6	53.4	10	19.84	5	9.6	2
18	12.78	10	45.0	11	24.01	9	8.5	3	15.40	11	54.4	10	19.79	9	9.8	3
28	12.68	14	46.1	9	23.92	12	8.2	2	15.29	15	55.4	9	19.70	13	10.1	4
Sept. 7	12.54	17	47.0	5	23.80	15	8.0	1	15.14	18	56.3	7	19.57	15	10.5	3
17	12.37	18	47.5	3	23.65	17	7.9	0	14.96	21	57.0	6	19.42	17	10.8	4
27	12.19	18	47.8	1	23.48	17	7.9	2	14.75	22	57.6	4	19.25	18	11.2	3
Okt. 7	12.01	18	47.7	3	23.31	16	8.1	3	14.53	21	58.0	2	19.07	17	11.5	2
17	11.83	17	47.4	6	23.15	16	8.4	4	14.32	19	58.2	1	18.90	16	11.7	2
27	11.66	15	46.8	10	22.99	13	8.8	5	14.13	17	58.1	3	18.74	14	11.9	1
Nov. 6	11.51	12	45.8	12	22.86	11	9.3	7	13.96	13	57.8	5	18.60	11	12.0	2
16	11.39	9	44.6	14	22.75	7	10.0	8	13.83	9	57.3	6	18.49	7	12.2	0
26	11.30	4	43.2	17	22.68	2	10.8	9	13.74	4	56.7	8	18.42	2	12.2	1
Dez. 6	11.26	1	41.5	19	22.66	1	11.7	10	13.70	2	55.9	9	18.40	1	12.3	1
16	11.25	4	39.6	21	22.67	6	12.7	10	13.72	7	55.0	10	18.41	6	12.4	1
26	11.29	10	37.5	25	22.73	11	13.7	12	13.79	13	54.0	10	18.47	13	12.5	0
36	[35] 11.39		35.0		[35] 22.84		14.9		13.92		53.0		18.60		12.5	
Mittl. Ort	10.89		34.1		22.01		15.8		12.83		54.1		17.59		13.6	
	716)				717)				718)				720)			

1908	δ Draconis. 3ᵐ.0. AR. 19ʰ 12ᵐ		Dekl. + 67° 29′		θ Lyrae. 4ᵐ.3. AR. 19ʰ 13ᵐ		Dekl. + 37° 57′		ω Aquilae. 5ᵐ.4. AR. 19ʰ 13ᵐ		Dekl. + 11° 25′		κ Cygni. 3ᵐ.8. AR. 19ʰ 14ᵐ		Dekl. + 53° 11′	
Jan. 1	28.81	3	61.9	39	8.13	7	71.5	35	27.61	10	44.2	22	56.02	3	56.7	38
11	28.78	9	58.0	36	8.20	11	68.0	31	27.71	13	42.0	20	56.05	10	52.9	35
21	28.87	21	54.4	35	8.31	16	64.9	29	27.84	16	40.0	18	56.15	16	49.4	33
31	29.08	28	50.9	32	8.47	20	62.0	27	28.00	20	38.2	17	56.31	22	46.1	31
Febr. 10	29.36	38	47.7	29	8.67	23	59.3	24	28.20	22	36.5	14	56.53	28	43.0	27
20	29.74	46	44.8	24	8.90	27	56.9	19	28.42	24	35.1	11	56.81	32	40.3	23
März 1	30.20	52	42.4	18	9.17	29	55.0	14	28.66	26	34.0	7	57.13	36	38.0	17
11	30.72	57	40.6	12	9.46	32	53.6	9	28.92	27	33.3	3	57.49	38	36.3	11
21	31.29	59	39.4	6	9.78	32	52.7	3	29.19	29	33.0	0	57.87	41	35.2	5
31	31.88	61	38.8	1	10.10	34	52.4	3	29.48	29	33.0	5	58.28	41	34.7	2
April 10	32.49	60	38.9	7	10.44	33	52.7	9	29.77	29	33.5	8	58.69	41	34.9	8
20	33.09	57	39.6	14	10.77	33	53.6	14	30.06	29	34.3	12	59.10	40	35.7	14
30	33.66	53	41.0	19	11.10	31	55.0	19	30.35	28	35.5	15	59.50	38	37.1	19
Mai 10	34.19	47	42.9	24	11.41	29	56.9	22	30.63	26	37.0	17	59.88	34	39.0	24
20	34.66	40	45.3	27	11.70	26	59.1	26	30.89	25	38.7	19	60.22	30	41.4	28
30	35.06	32	48.0	31	11.96	22	61.7	28	31.14	22	40.6	20	60.52	26	44.2	30
Juni 9	35.38	23	51.1	33	12.18	19	64.5	30	31.36	19	42.6	21	60.78	19	47.2	33
19	35.61	14	54.4	34	12.37	14	67.5	30	31.55	15	44.7	20	60.97	14	50.5	33
29	35.75	3	57.8	35	12.51	9	70.5	31	31.70	11	46.7	20	61.11	7	53.8	33
Juli 9	35.78	6	61.3	33	12.60	3	73.6	29	31.81	7	48.7	19	61.18	1	57.1	33
19	35.72	17	64.6	33	12.63	1	76.5	27	31.88	3	50.6	17	61.19	6	60.4	31
29	35.55	25	67.9	30	12.62	6	79.2	26	31.91	2	52.3	15	61.13	12	63.5	29
Aug. 8	35.30	34	70.9	28	12.56	11	81.8	22	31.89	5	53.8	13	61.01	18	66.4	26
18	34.96	42	73.7	24	12.45	16	84.0	20	31.84	10	55.1	10	60.83	23	69.0	23
28	34.54	49	76.1	20	12.29	19	86.0	15	31.74	13	56.1	8	60.60	28	71.3	19
Sept. 7	34.05	54	78.1	15	12.10	22	87.5	12	31.61	15	56.9	6	60.32	32	73.2	14
17	33.51	58	79.6	11	11.88	24	88.7	7	31.46	17	57.5	3	60.00	34	74.6	10
27	32.93	60	80.7	6	11.64	25	89.4	3	31.29	18	57.8	0	59.66	35	75.6	5
Okt. 7	32.33	61	81.3	0	11.39	25	89.7	2	31.11	18	57.8	3	59.31	36	76.1	0
17	31.72	59	81.3	6	11.14	24	89.5	6	30.93	17	57.5	6	58.95	35	76.1	6
27	31.13	56	80.7	10	10.90	23	88.9	11	30.76	15	56.9	8	58.60	33	75.5	11
Nov. 6	30.57	52	79.7	16	10.67	19	87.8	15	30.61	12	56.1	11	58.27	29	74.4	16
16	30.05	46	78.1	22	10.48	15	86.3	20	30.49	9	55.0	13	57.98	25	72.8	21
26	29.59	38	75.9	26	10.33	12	84.3	24	30.40	6	53.7	16	57.73	20	70.7	26
Dez. 6	29.21	29	73.3	30	10.21	6	81.9	26	30.34	1	52.1	17	57.53	13	68.1	29
16	28.92	19	70.3	33	10.15	2	79.3	29	30.33	3	50.4	19	57.40	8	65.2	32
26	28.73	9	67.0	35	10.13	3	76.4	31	30.36	7	48.5	19	57.32	1	62.0	34
36	28.64		63.5		10.16		73.3		30.43		46.6		57.31		58.6	
Mittl. Ort	32.19		58.8		10.47		70.0		29.89		44.3		58.63		54.2	
	723)				724)				725)				726)			

1908	τ Draconis. 4m.5. AR.		Dekl. +		α Sagittarii. 4m.0. AR.		Dekl. −		δ Aquilae. 3m.3. AR.		Dekl. +		β Cygni. 3m.0. AR.		Dekl. +	
	19h 17m		73° 10′		19h 17m		40° 47′		19h 20m		2° 55′		19h 26m		27° 45′	
Jan. 1	15.58	10	69.3	39	27.62	16	25.4	13	49.28	10	50.0	16	58.40	6	58.5	27
11	15.48	6	65.4	35	27.78	18	24.1	12	49.38	13	48.4	15	58.46	11	55.8	29
21	15.54	21	61.9	35	27.96	22	22.9	11	49.51	16	46.9	14	58.57	14	52.9	26
31	15.75	35	58.4	33	28.18	27	21.8	12	49.67	19	45.5	12	58.71	18	50.3	24
Febr. 10	16.10	46	55.1	29	28.45	30	20.6	11	49.86	22	44.3	10	58.89	21	47.9	21
20	16.56	57	52.2	25	28.75	32	19.5	10	50.08	24	43.3	8	59.10	24	45.8	17
März 1	17.13	65	49.7	19	29.07	35	18.5	9	50.32	25	42.5	4	59.34	27	44.1	12
11	17.78	73	47.8	13	29.42	36	17.6	8	50.57	27	42.1	2	59.61	28	42.9	7
21	18.51	76	46.5	6	29.78	38	16.8	8	50.84	29	41.9	2	59.89	30	42.2	2
31	19.27	78	45.9	1	30.16	39	16.0	6	51.13	29	42.1	5	60.19	30	42.0	2
April 10	20.05	77	45.8	7	30.55	39	15.4	5	51.42	29	42.6	9	60.49	31	42.2	8
20	20.82	73	46.5	12	30.94	38	14.9	3	51.71	29	43.5	11	60.80	31	43.0	13
30	21.55	67	47.7	18	31.32	38	14.6	1	52.00	28	44.6	13	61.11	30	44.3	17
Mai 10	22.22	60	49.5	23	31.70	36	14.5	0	52.28	28	45.9	15	61.41	28	46.0	21
20	22.82	50	51.8	27	32.06	34	14.5	2	52.56	25	47.4	16	61.69	26	48.1	23
30	23.32	40	54.5	30	32.40	31	14.7	4	52.81	23	49.0	17	61.95	23	50.4	26
Juni 9	23.72	28	57.5	33	32.71	27	15.1	7	53.04	20	50.7	16	62.18	20	53.0	27
19	24.00	15	60.8	34	32.98	22	15.8	8	53.24	16	52.3	17	62.38	16	55.7	27
29	24.15	2	64.2	34	33.20	17	16.6	9	53.40	12	54.0	15	62.54	11	58.4	27
Juli 9	24.17	11	67.6	34	33.37	12	17.5	11	53.52	9	55.5	15	62.65	7	61.1	26
19	24.06	24	71.0	33	33.49	6	18.6	12	53.61	5	57.0	13	62.72	2	63.7	25
29	23.82	35	74.3	31	33.55	0	19.8	12	53.66	0	58.3	11	62.74	3	66.2	23
Aug. 8	23.47	47	77.4	28	33.55	5	21.0	12	53.66	5	59.4	9	62.71	7	68.5	20
18	23.00	57	80.2	24	33.50	10	22.2	12	53.61	8	60.3	8	62.64	12	70.5	17
28	22.43	66	82.6	21	33.40	15	23.4	11	53.53	11	61.1	5	62.52	15	72.2	14
Sept. 7	21.77	74	84.7	17	33.25	18	24.5	10	53.42	15	61.6	3	62.37	17	73.6	11
17	21.03	78	86.4	12	33.07	21	25.5	7	53.27	16	61.9	2	62.20	20	74.7	7
27	20.25	81	87.6	6	32.86	22	26.2	5	53.11	17	62.1	1	62.00	21	75.4	3
Okt. 7	19.44	83	88.2	2	32.64	22	26.7	2	52.94	17	62.0	3	61.79	21	75.7	2
17	18.61	82	88.4	4	32.42	21	26.9	0	52.77	16	61.7	4	61.58	21	75.5	5
27	17.79	77	88.0	9	32.21	19	26.9	2	52.61	14	61.3	7	61.37	18	75.0	9
Nov. 6	17.02	73	87.1	16	32.02	15	26.7	5	52.47	12	60.6	8	61.19	17	74.1	13
16	16.29	65	85.5	20	31.87	11	26.2	7	52.35	8	59.8	10	61.02	13	72.8	16
26	15.64	55	83.5	25	31.76	5	25.5	9	52.27	5	58.8	12	60.89	9	71.2	20
Dez. 6	15.09	44	81.0	29	31.71	0	24.6	10	52.22	1	57.6	13	60.80	5	69.2	23
16	14.65	31	78.1	32	31.71	5	23.6	11	52.21	4	56.3	14	60.75	1	66.9	25
26	14.34	18	74.9	35	31.76	11	22.5	12	52.25	7	54.9	16	60.74	4	64.4	26
36	14.16		71.4		31.87		21.3		52.32		53.3		60.78		61.8	
Mittl. Ort	19.65		65.7		30.80		22.4		51.59		50.8		60.65		57.5	
	729)				728)				730)				732)			

1908	ι Cygni. $3^m.9$.				*h* Sagittarii. $4^m.6$.				ϑ Cygni. $4^m.5$.				γ Aquilae. $2^m.7$.			
	AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +	
	$19^h\ 27^m$		51° 31′		$19^h\ 31^m$		25° 5′		$19^h\ 33^m$		50° 0′		$19^h\ 41^m$		10° 23′	
Jan. 1	20.67	1	63.1	34	3.91	10	17.2	2	55.97	1	30.5	33	50.91	6	18.2	18
11	20.68	8	59.7	37	4.01	16	17.0	3	55.98	7	27.2	37	50.97	11	16.4	20
21	[11] 20.76	15	56.0	34	[12] 4.17	18	16.7	4	[12] 56.05	14	23.5	33	[14] 51.08	14	14.4	17
31	20.91	20	52.6	31	4.35	21	16.3	3	56.19	19	20.2	31	51.22	17	12.7	16
Febr. 10	21.11	25	49.5	27	4.56	24	16.0	4	56.38	23	17.1	27	51.39	19	11.1	13
20	21.36	30	46.8	23	4.80	26	15.6	5	56.61	29	14.4	23	51.58	22	9.8	11
März 1	21.66	33	44.5	18	5.06	29	15.1	6	56.90	32	12.1	18	51.80	24	8.7	7
11	21.99	37	42.7	12	5.35	30	14.5	6	57.22	35	10.3	13	52.04	27	8.0	4
21	22.36	38	41.5	6	5.65	31	13.9	7	57.57	38	9.0	6	52.31	27	7.6	— 1
31	22.74	40	40.9	— 1	5.96	33	13.2	7	57.95	39	8.4	0	52.58	29	7.7	5
April 10	23.14	40	41.0	7	6.29	33	12.5	7	58.34	39	8.4	7	52.87	29	8.2	8
20	23.54	40	41.7	13	6.62	33	11.8	7	58.73	38	9.1	12	53.16	30	9.0	11
30	23.94	37	43.0	18	6.95	32	11.1	8	59.11	37	10.3	18	53.46	29	10.1	15
Mai 10	24.31	35	44.8	23	7.27	31	10.3	6	59.48	35	12.1	22	53.75	28	11.6	17
20	24.66	31	47.1	27	7.58	30	9.7	6	59.83	31	14.3	26	54.03	26	13.3	18
30	24.97	26	49.8	29	7.88	27	9.1	4	60.14	26	16.9	30	54.29	24	15.1	21
Juni 9	25.23	21	52.7	32	8.15	24	8.7	3	60.40	22	19.9	31	54.53	21	17.2	20
19	25.44	16	55.9	33	8.39	21	8.4	1	60.62	16	23.0	33	54.74	18	19.2	21
29	25.60	10	59.2	34	8.60	16	8.3	0	60.78	11	26.3	34	54.92	14	21.3	19
Juli 9	25.70	3	62.6	33	8.76	12	8.3	1	60.89	4	29.7	33	55.06	10	23.2	19
19	25.73	— 3	65.9	31	8.88	7	8.4	3	60.93	— 2	33.0	31	55.16	6	25.1	18
29	25.70	10	69.0	30	8.95	2	8.7	4	60.91	7	36.1	30	55.22	1	26.9	16
Aug. 8	25.60	15	72.0	27	8.97	— 3	9.1	4	60.84	14	39.1	27	55.23	— 3	28.5	13
18	25.45	21	74.7	24	8.94	7	9.5	6	60.70	19	41.8	25	55.20	8	29.8	11
28	25.24	26	77.1	20	8.87	11	10.1	5	60.51	24	44.3	20	55.12	11	30.9	9
Sept. 7	24.98	29	79.1	16	8.76	14	10.6	6	60.27	27	46.3	16	55.01	14	31.8	6
17	24.69	31	80.7	11	8.62	17	11.2	5	60.00	30	47.9	12	54.87	16	32.4	4
27	24.38	34	81.8	6	8.45	18	11.7	4	59.70	32	49.1	7	54.71	17	32.8	1
Okt. 7	24.04	34	82.4	1	8.27	17	12.1	4	59.38	33	49.8	2	54.54	17	32.9	— 1
17	23.70	33	82.5	— 4	8.10	18	12.5	2	59.05	32	50.0	— 4	54.37	17	32.8	4
27	23.37	32	82.1	9	7.92	15	12.7	2	58.73	30	49.6	8	54.20	16	32.4	7
Nov. 6	23.05	29	81.2	15	7.77	12	12.9	1	58.43	28	48.8	14	54.04	13	31.7	10
16	22.76	24	79.7	20	7.65	9	13.0	0	58.15	24	47.4	19	53.91	11	30.7	11
26	22.52	20	77.7	24	7.56	5	13.0	1	57.91	19	45.5	23	53.80	7	29.6	14
Dez. 6	22.32	15	75.3	27	7.51	1	12.9	2	57.72	15	43.2	27	53.73	3	28.2	16
16	22.17	8	72.6	31	7.50	— 4	12.7	2	57.57	8	40.5	30	53.70	— 1	26.6	17
26	22.09	2	69.5	34	7.54	8	12.5	2	57.49	3	37.5	32	53.71	4	24.9	18
36	22.07		66.1		7.62		12.3		57.46		34.3		53.75		23.1	
Mittl. Ort	23.21		60.2		6.59		13.9		58.46		27.5		53.15		18.9	
	733)				736)				738)				741)			

1908	δ Cygni. 2ᵐ.8. AR.		Dekl. +		δ Sagittae. 3ᵐ.8. AR.		Dekl. +		α Aquilae. 1ᵐ. AR.		Dekl. +		ε Draconis. 3ᵐ.8. AR.		Dekl. +	
	$19^h\ 42^m$		$44^\circ\ 54'$		$19^h\ 43^m$		$18^\circ\ 18'$		$19^h\ 46^m$		$8^\circ\ 37'$		$19^h\ 48^m$		$70^\circ\ 1'$	
Jan. 1	3.61	1	23.7	32	14.91	5	24.7	22	15.43	6	28.5	17	25.86	15	65.9	34
11	3.62	7	20.5	35	14.96	10	22.5	25	15.49	11	26.8	19	25.71	2	62.5	39
21	[14] 3.69	12	17.0	32	[15] 15.06	13	20.0	21	[15] 15.60	14	24.9	16	[16] 25.69	—10	58.6	35
31	3.81	17	13.8	30	15.19	17	17.9	20	15.74	16	23.3	14	25.79	22	55.1	34
Febr. 10	3.98	22	10.8	27	15.36	19	15.9	17	15.90	19	21.9	13	26.01	33	51.7	30
20	4.20	26	8.1	22	15.55	22	14.2	14	16.09	22	20.6	9	26.34	43	48.7	27
März 1	4.46	29	5.9	18	15.77	25	12.8	10	16.31	24	19.7	7	26.77	51	46.0	23
11	4.75	32	4.1	12	16.02	26	11.8	5	16.55	26	19.0	2	27.28	59	43.7	16
21	5.07	35	2.9	6	16.28	28	11.3	1	16.81	28	18.8	0	27.87	63	42.1	10
31	5.42	36	2.3	0	16.56	29	11.2	—3	17.09	29	18.8	5	28.50	66	41.1	4
April 10	5.78	36	2.3	6	16.85	30	11.5	8	17.38	29	19.3	9	29.16	67	40.7	—3
20	6.14	36	2.9	12	17.15	30	12.3	12	17.67	29	20.2	11	29.83	66	41.0	9
30	6.50	35	4.1	17	17.45	29	13.5	15	17.96	30	21.3	14	30.49	62	41.9	15
Mai 10	6.85	33	5.8	21	17.74	29	15.0	19	18.26	28	22.7	17	31.11	57	43.4	20
20	7.18	30	7.9	26	18.03	26	16.9	21	18.54	27	24.4	19	31.68	51	45.4	25
30	7.48	26	10.5	28	18.29	24	19.0	22	18.81	24	26.3	19	32.19	42	47.9	29
Juni 9	7.74	23	13.3	31	18.53	22	21.2	24	19.05	22	28.2	20	32.61	33	50.8	31
19	7.97	17	16.4	32	18.75	17	23.6	24	19.27	18	30.2	20	32.94	24	53.9	34
29	8.14	12	19.6	32	18.92	14	26.0	24	19.45	15	32.2	19	33.18	12	57.3	35
Juli 9	8.26	6	22.8	32	19.06	9	28.4	22	19.60	10	34.1	18	33.30	1	60.8	35
19	8.32	1	26.0	31	19.15	5	30.6	22	19.70	7	35.9	17	33.31	—10	64.3	34
29	8.33	—5	29.1	30	19.20	0	32.8	19	19.77	1	37.6	15	33.21	21	67.7	33
Aug. 8	8.28	10	32.1	26	19.20	4	34.7	17	19.78	—2	39.1	13	33.00	31	71.0	31
18	8.18	16	34.7	24	19.16	8	36.4	15	19.76	7	40.4	11	32.69	40	74.1	28
28	8.02	20	37.1	20	19.08	12	37.9	12	19.69	10	41.5	8	32.20	49	76.9	24
Sept. 7	7.82	23	39.1	16	18.96	15	39.1	9	19.59	13	42.3	6	31.80	55	79.3	21
17	7.59	26	40.7	12	18.81	17	40.0	6	19.46	16	42.9	4	31.25	61	81.4	16
27	7.33	28	41.9	7	18.64	18	40.6	3	19.30	17	43.3	1	30.64	66	83.0	12
Okt. 7	7.05	29	42.6	2	18.46	19	40.9	—1	19.13	17	43.4	—2	29.98	67	84.2	6
17	6.76	28	42.8	—3	18.27	18	40.8	4	18.96	16	43.2	3	29.31	68	84.8	0
27	6.48	27	42.5	8	18.09	17	40.4	7	18.80	16	42.9	7	28.63	66	84.8	5
Nov. 6	6.21	24	41.7	12	17.92	14	39.7	11	18.64	13	42.2	9	27.97	62	84.3	10
16	5.97	21	40.5	18	17.78	12	38.6	13	18.51	10	41.3	11	27.35	57	83.3	16
26	5.76	17	38.7	22	17.66	8	37.3	17	18.41	7	40.2	12	26.78	51	81.7	22
Dez. 6	5.59	12	36.5	25	17.58	5	35.6	18	18.34	4	39.0	15	26.27	42	79.5	25
16	5.47	7	34.0	29	17.53	1	33.8	21	18.30	—1	37.5	16	25.85	32	77.0	30
26	5.40	2	31.1	31	17.52	—4	31.7	21	18.31	5	35.9	17	25.53	20	74.0	33
36	5.38		28.0		17.56		29.6		18.36		34.2		25.33		70.7	
Mittl. Ort	5.99		20.9		17.13		24.5		17.68		29.4		29.35		60.9	
	742)				743)				745)				747)			

1908	ε Pavonis. 3ᵐ.8. AR.		Dekl. −		β Aquilae. 3ᵐ.7. AR.		Dekl. +	
	19ʰ 49ᵐ		73° 8′		19ʰ 50ᵐ		6° 10′	
Jan. 1	50.86	10	81.8	29	45.40	6	34.0	15
11	50.96	28	78.9	33	45.46	11	32.5	18
21	51.24	38	75.6	29	45.57	13	30.7	15
31	51.62	50	72.7	28	45.70	16	29.2	13
Febr. 10	52.12	61	69.9	26	45.86	19	27.9	11
20	52.73	71	67.3	24	46.05	21	26.8	9
März 1	53.44	78	64.9	21	46.26	24	25.9	6
11	54.22	83	62.8	18	46.50	25	25.3	2
21	55.05	88	61.0	14	46.75	28	25.1	—1
31	55.93	92	59.6	10	47.03	28	25.2	5
April 10	56.85	93	58.6	6	47.31	29	25.7	8
20	57.78	93	58.0	2	47.60	30	26.5	11
30	58.71	91	57.8	—2	47.90	29	27.6	14
Mai 10	59.62	87	58.0	6	48.19	28	29.0	16
20	60.49	82	58.6	10	48.47	27	30.6	18
30	61.31	75	59.6	15	48.74	25	32.4	18
Juni 9	62.06	65	61.1	18	48.99	22	34.2	19
19	62.71	55	62.9	21	49.21	19	36.1	18
29	63.26	43	65.0	23	49.40	15	37.9	18
Juli 9	63.69	29	67.3	26	49.55	11	39.7	17
19	63.98	16	69.9	26	49.66	7	41.4	16
29	64.14	2	72.5	27	49.73	2	43.0	13
Aug. 8	64.16	—12	75.2	26	49.75	—2	44.3	12
18	64.04	26	77.8	24	49.73	6	45.5	9
28	63.78	39	80.2	22	49.67	10	46.4	8
Sept. 7	63.39	48	82.4	19	49.57	13	47.2	5
17	62.91	57	84.3	15	49.44	15	47.7	3
27	62.34	62	85.8	10	49.29	16	48.0	0
Okt. 7	61.72	65	86.8	5	49.13	17	48.0	2
17	61.07	65	87.3	0	48.96	17	47.8	4
27	60.42	61	87.3	6	48.79	15	47.4	6
Nov. 6	59.81	55	86.7	11	48.64	13	46.8	8
16	59.26	47	85.6	16	48.51	11	46.0	11
26	58.79	35	84.0	20	48.40	7	44.9	12
Dez. 6	58.44	23	82.0	24	48.33	3	43.7	13
16	58.21	10	79.6	27	48.30	0	42.4	15
26	58.11	—5	76.9	28	48.30	4	40.9	16
36	58.16		74.1		48.34		39.3	
Mittl. Ort	57.86		74.6		47.65		35.3	
	748)				749)			

1908	ψ Cygni. 5ᵐ.0. AR.		Dekl. +		ϑ¹ Sagittarii. 4ᵐ.3. AR.		Dekl. −	
	19ʰ 53ᵐ		52° 11′		19ʰ 53ᵐ		35° 31′	
Jan. 1	12.60	3	43.6	33	42.07	8	37.9	9
11	12.57	—4	40.3	37	42.15	14	37.0	11
21	12.61	10	36.6	33	42.29	17	35.9	11
31	12.71	16	33.3	31	42.46	21	34.8	11
Febr. 10	12.87	22	30.2	29	42.67	24	33.7	11
20	13.09	27	27.3	25	42.91	28	32.6	11
März 1	13.36	31	24.8	20	43.19	30	31.5	11
11	13.67	35	22.8	15	43.49	32	30.4	11
21	14.02	38	21.3	8	43.81	34	29.3	11
31	14.40	40	20.5	2	44.15	35	28.2	10
April 10	14.80	41	20.3	—4	44.50	36	27.2	9
20	15.21	41	20.7	10	44.86	36	26.3	8
30	15.62	39	21.7	16	45.22	37	25.5	6
Mai 10	16.01	37	23.3	21	45.59	36	24.9	5
20	16.38	34	25.4	25	45.95	33	24.4	3
30	16.72	30	27.9	29	46.28	32	24.1	2
Juni 9	17.02	25	30.8	31	46.60	29	23.9	—1
19	17.27	19	33.9	33	46.89	24	24.0	3
29	17.46	13	37.2	34	47.13	20	24.3	5
Juli 9	17.59	7	40.6	33	47.33	16	24.8	7
19	17.66	0	43.9	33	47.49	10	25.5	8
29	17.66	6	47.2	31	47.59	5	26.3	10
Aug. 8	17.60	12	50.3	29	47.64	—1	27.3	10
18	17.48	18	53.2	27	47.63	6	28.3	11
28	17.30	23	55.9	22	47.57	11	29.4	10
Sept. 7	17.07	28	58.1	19	47.46	15	30.4	10
17	16.79	30	60.0	15	47.31	17	31.4	9
27	16.49	33	61.5	10	47.14	19	32.3	7
Okt. 7	16.16	34	62.5	4	46.95	20	33.0	6
17	15.82	34	62.9	0	46.75	20	33.6	3
27	15.48	33	62.9	6	46.55	18	33.9	1
Nov. 6	15.15	30	62.3	12	46.37	16	34.0	—1
16	14.85	27	61.1	16	46.21	12	33.9	3
26	14.58	23	59.5	21	46.09	7	33.6	5
Dez. 6	14.35	18	57.4	26	46.02	4	33.1	7
16	14.17	12	54.8	29	45.98	—1	32.4	8
26	14.05	6	51.9	32	45.99	6	31.6	9
36	13.99		48.7		46.05		30.7	
Mittl. Ort	15.09		39.8		44.98		32.1	
	750)				751)			

1908	γ Sagittae. $3^m.6$				δ Pavonis. $3^m.5$				ϑ Aquilae. $3^m.1$				o^1 seq. Cygni. $4^m.3$			
	AR.		Dekl. +		AR.		Dekl. —		AR.		Dekl. —		AR.		Dekl. +	
	$19^h 54^m$		19° 14′		$19^h 59^m$		66° 24′		$20^h 6^m$		1° 5′		$20^h 10^m$		46° 27′	
Jan. 1	37.74	4	30.6	22	37.25	9	70.4	26	31.24	5	44.1	11	41.76	4	46.6	30
11	37.78	8	28.4	24	37.34	20	67.8	29	31.29	9	45.2	12	41.72	— 2	43.6	32
21	[17] 37.86	12	26.0	22	[18] 37.54	28	64.9	27	[20] 31.38	13	46.4	11	41.74	9	40.4	35
31	37.98	16	23.8	20	37.82	37	62.2	26	31.51	15	47.5	8	[21] 41.83	13	36.9	30
Febr. 10	38.14	18	21.8	17	38.19	44	59.6	25	31.66	18	48.3	7	41.96	18	33.9	28
20	38.32	21	20.1	14	38.63	50	57.1	23	31.84	20	49.0	5	42.14	23	31.1	24
März 1	38.53	24	18.7	11	39.13	57	54.8	21	32.04	23	49.5	2	42.37	27	28.7	20
11	38.77	25	17.6	6	39.70	61	52.7	18	32.27	25	49.7	0	42.64	31	26.7	15
21	39.02	28	17.0	2	40.31	64	50.9	15	32.52	27	49.7	3	42.95	34	25.2	9
31	39.30	29	16.8	— 3	40.95	68	49.4	12	32.79	28	49.4	6	43.29	35	24.3	3
April 10	39.59	30	17.1	8	41.63	69	48.2	8	33.07	29	48.8	9	43.64	38	24.0	— 5
20	39.89	30	17.9	11	42.32	70	47.4	4	33.36	30	47.9	12	44.02	37	24.5	9
30	40.19	30	19.0	15	43.02	68	47.0	0	33.66	30	46.7	13	44.39	37	25.4	14
Mai 10	40.49	29	20.5	19	43.70	67	47.0	3	33.96	29	45.4	15	44.76	35	26.8	20
20	40.78	27	22.4	21	44.37	64	47.3	8	34.25	28	43.9	15	45.11	33	28.8	23
30	41.05	25	24.5	23	45.01	58	48.1	11	34.53	26	42.4	17	45.44	30	31.1	27
Juni 9	41.30	22	26.8	24	45.59	52	49.2	15	34.79	24	40.7	16	45.74	25	33.8	30
19	41.52	19	29.2	24	46.11	44	50.7	18	35.03	21	39.1	16	45.99	21	36.8	32
29	41.71	14	31.6	24	46.55	36	52.5	20	35.24	17	37.5	14	46.20	16	40.0	33
Juli 9	41.85	11	34.0	23	46.91	26	54.5	23	35.41	12	36.1	14	46.36	10	43.3	33
19	41.96	6	36.3	23	47.17	17	56.8	25	35.53	9	34.7	12	46.46	4	46.6	32
29	42.02	1	38.6	20	47.34	6	59.3	24	35.62	4	33.5	10	46.50	— 2	49.8	31
Aug. 8	42.03	— 4	40.6	18	47.40	— 5	61.7	24	35.66	0	32.5	9	46.48	7	52.9	29
18	41.99	7	42.4	16	47.35	15	64.1	24	35.66	4	31.6	6	46.41	13	55.8	26
28	41.92	11	44.0	13	47.20	24	66.5	21	35.62	9	31.0	5	46.28	17	58.4	23
Sept. 7	41.81	14	45.3	10	46.96	32	68.6	19	35.53	11	30.5	3	46.11	22	60.7	19
17	41.67	17	46.3	7	46.64	38	70.5	15	35.42	14	30.2	1	45.89	25	62.6	16
27	41.50	18	47.0	3	46.26	43	72.0	11	35.28	15	30.1	— 1	45.64	27	64.2	10
Okt. 7	41.32	18	47.3	0	45.83	44	73.1	7	35.13	16	30.2	2	45.37	29	65.2	6
17	41.14	19	47.3	3	45.39	45	73.8	2	34.97	16	30.4	4	45.08	28	65.8	1
27	40.95	17	47.0	6	44.94	42	74.0	— 3	34.81	15	30.8	5	44.80	28	65.9	— 4
Nov. 6	40.78	15	46.4	10	44.52	39	73.7	8	34.66	14	31.3	7	44.52	26	65.5	9
16	40.63	12	45.4	13	44.13	32	72.9	13	34.52	10	32.0	8	44.26	24	64.6	14
26	40.51	9	44.1	16	43.81	24	71.6	17	34.42	7	32.8	9	44.02	20	63.2	19
Dez. 6	40.42	6	42.5	18	43.57	15	69.9	20	34.35	4	33.7	10	43.82	16	61.3	23
16	40.36	2	40.7	21	43.42	6	67.9	23	34.31	1	34.7	10	43.66	11	59.0	27
26	40.34	— 3	38.6	21	43.36	— 3	65.6	26	34.30	— 4	35.7	11	43.55	6	56.3	29
36	40.37		36.5		43.39		63.0		34.34		36.8		43.49		53.4	
Mittl. Ort	39.93		30.4		42.50		62.2		33.51		41.5		44.08		42.9	
	752)				754)				756)				757)			

1908	κ Cephei. $4^m.3$. AR.		Dekl. +		24 Vulpecul. $5^m.7$. AR.		Dekl. +		α² Capricorni. $3^m.6$. AR.		Dekl. −		α Pavonis. $1^m.9$. AR.		Dekl. −	
	$20^h\ 11^m$		77° 25′		$20^h\ 12^m$		24° 22′		$20^h\ 12^m$		12° 49′		$20^h\ 18^m$		57° 1′	
Jan. 1	55.49	39	71.4	32	48.73	2	75.0	24	54.70	5	54.1	5	18.53	5	58.8	22
11	55.10	21	68.2	34	48.75	5	72.6	24	54.75	8	54.6	3	18.58	11	56.6	23
21	54.89	2	64.8	38	48.80	10	70.2	26	54.83	13	54.9	3	18.69	20	54.3	26
31	[21]54.87	— 19	61.0	34	[21]48.90	13	67.6	22	[21]54.96	16	55.2	2	[23]18.89	25	51.7	23
Febr. 10	55.06	37	57.6	32	49.03	17	65.4	20	55.12	19	55.4	0	19.14	30	49.4	23
20	55.43	55	54.4	29	49.20	20	63.4	17	55.31	21	55.4	1	19.44	36	47.1	22
März 1	55.98	69	51.5	25	49.40	23	61.7	13	55.52	23	55.3	3	19.80	39	44.9	21
11	56.67	82	49.0	20	49.63	25	60.4	8	55.75	26	55.0	5	20.19	44	42.8	19
21	57.49	91	47.0	14	49.88	27	59.6	4	56.01	27	54.5	7	20.63	47	40.9	16
31	58.40	98	45.6	7	50.15	29	59.2	— 1	56.28	29	53.8	8	21.10	49	39.3	15
April 10	59.38	100	44.9	1	50.44	30	59.3	6	56.57	30	53.0	10	21.59	51	37.8	12
20	60.38	100	44.8	— 5	50.74	31	59.9	11	56.87	31	52.0	11	22.10	53	36.6	8
30	61.38	96	45.3	12	51.05	31	61.0	15	57.18	31	50.9	13	22.63	51	35.8	5
Mai 10	62.34	89	46.5	16	51.36	30	62.5	18	57.49	31	49.6	12	23.14	51	35.3	2
20	63.23	80	48.1	22	51.66	29	64.3	22	57.80	29	48.4	13	23.65	50	35.1	— 2
30	64.03	68	50.3	27	51.95	26	66.5	24	58.09	28	47.1	12	24.15	46	35.3	5
Juni 9	64.71	54	53.0	29	52.21	24	68.9	26	58.37	25	45.9	11	24.61	43	35.8	9
19	65.25	39	55.9	33	52.45	20	71.5	26	58.62	23	44.8	10	25.04	37	36.7	12
29	65.64	22	59.2	34	52.65	16	74.1	26	58.85	18	43.8	9	25.41	30	37.9	14
Juli 9	65.86	6	62.6	35	52.81	12	76.7	26	59.03	15	42.9	7	25.71	24	39.3	18
19	65.92	— 12	66.1	35	52.93	7	79.3	25	59.18	10	42.2	5	25.95	17	41.1	19
29	65.80	28	69.6	34	53.00	3	81.8	24	59.28	6	41.7	4	26.12	8	43.0	20
Aug. 8	65.52	44	73.0	32	53.03	— 3	84.2	21	59.34	1	41.3	2	26.20	1	45.0	21
18	65.08	59	76.2	31	53.00	6	86.3	19	59.35	— 4	41.1	1	26.21	— 7	47.1	21
28	64.49	72	79.3	27	52.94	11	88.2	15	59.31	7	41.0	— 1	26.14	14	49.2	20
Sept. 7	63.77	84	82.0	25	52.83	14	89.7	13	59.24	11	41.1	2	26.00	20	51.2	18
17	62.93	94	84.5	20	52.69	16	91.0	10	59.13	14	41.3	3	25.80	25	53.0	15
27	61.99	102	86.5	15	52.53	19	92.0	6	58.99	15	41.6	3	25.55	30	54.5	12
Okt. 7	60.97	106	88.0	11	52.34	19	92.6	2	58.84	16	41.9	5	25.25	31	55.7	8
17	59.91	110	89.1	5	52.15	19	92.8	— 1	58.68	16	42.4	4	24.94	32	56.5	5
27	58.81	108	89.6	0	51.96	19	92.7	6	58.52	15	42.8	5	24.62	30	57.0	0
Nov. 6	57.73	106	89.6	6	51.77	16	92.1	9	58.37	13	43.3	4	24.32	28	57.0	4
16	56.67	100	89.0	12	51.61	15	91.2	12	58.24	11	43.7	5	24.04	23	56.6	8
26	55.67	91	87.8	17	51.46	11	90.0	16	58.13	7	44.2	4	23.81	19	55.8	12
Dez. 6	54.76	79	86.1	22	51.35	8	88.4	19	58.06	4	44.6	5	23.62	12	54.6	16
16	53.97	65	83.9	27	51.27	4	86.5	21	58.02	0	45.1	4	23.50	5	53.0	18
26	53.32	50	81.2	30	51.23	0	84.4	23	58.02	3	45.5	5	23.45	— 1	51.2	21
36	52.82		78.2		51.23		82.1		58.05		46.0		23.46		49.1	
Mittl. Ort	60.12		64.8		50.88		74.0		57.08		49.6		22.50		49.1	
	759)				760)				761)				764)			

1908	γ Cygni. $2^m.3$. AR.	Diff.	γ Cygni. Dekl. +	Diff.	ϑ Cephei. $4^m.1$. AR.	Diff.	ϑ Cephei. Dekl. +	Diff.
	$20^h\ 18^m$		$39°\ 57'$		$20^h\ 27^m$		$62°\ 40'$	
Jan. 1	53.35	2	45.7	29	59.65	16	70.9	31
11	53.33	2	42.8	29	59.49	7	67.8	33
21	53.35	8	39.9	33	59.42	2	64.5	38
31	[23] 53.43	13	36.6	28	[25] 59.44	11	60.7	34
Febr. 10	53.56	16	33.8	26	59.55	19	57.3	31
20	53.72	21	31.2	23	59.74	27	54.2	29
März 1	53.93	24	28.9	19	60.01	34	51.3	25
11	54.17	28	27.0	13	60.35	40	48.8	19
21	54.45	31	25.7	8	60.75	45	46.9	14
31	54.76	32	24.9	2	61.20	49	45.5	7
April 10	55.08	34	24.7	3	61.69	51	44.8	1
20	55.42	35	25.0	9	62.20	52	44.7	5
30	55.77	34	25.9	14	62.72	51	45.2	12
Mai 10	56.11	34	27.3	20	63.23	49	46.4	17
20	56.45	31	29.3	23	63.72	45	48.1	22
30	56.76	29	31.6	26	64.17	41	50.3	26
Juni 9	57.05	26	34.2	29	64.58	35	52.9	30
19	57.31	21	37.1	30	64.93	28	55.9	33
29	57.52	16	40.1	31	65.21	20	59.2	34
Juli 9	57.68	12	43.2	32	65.41	12	62.6	35
19	57.80	6	46.4	31	65.53	3	66.1	35
29	57.86	1	49.5	29	65.56	4	69.6	35
Aug. 8	57.87	4	52.4	28	65.52	13	73.1	33
18	57.83	10	55.2	24	65.39	21	76.4	31
28	57.73	14	57.6	22	65.18	27	79.5	28
Sept. 7	57.59	18	59.8	19	64.91	34	82.3	25
17	57.41	21	61.7	14	64.57	39	84.8	20
27	57.20	23	63.1	11	64.18	43	86.8	16
Okt. 7	56.97	25	64.2	5	63.75	45	88.4	11
17	56.72	24	64.7	1	63.30	47	89.5	6
27	56.48	24	64.8	3	62.83	47	90.1	0
Nov. 6	56.24	23	64.5	9	62.36	45	90.1	5
16	56.01	20	63.6	13	61.91	42	89.6	12
26	55.81	17	62.3	17	61.49	38	88.4	16
Dez. 6	55.64	13	60.6	22	61.11	33	86.8	22
16	55.51	9	58.4	25	60.78	26	84.6	26
26	55.42	4	55.9	27	60.52	20	82.0	30
36	55.38		53.2		60.32		79.0	
Mittl. Ort	55.57		42.5		62.38		64.8	
	765)				767)			

1908	ε Delphini. $3^m.9$. AR.	Diff.	ε Delphini. Dekl. +	Diff.	α Jndi. $3^m.0$. AR.	Diff.	α Jndi. Dekl. —	Diff.
	$20^h\ 28^m$		$10°\ 59'$		$20^h\ 31^m$		$47°\ 36'$	
Jan. 1	46.93	2	23.0	16	2.68	3	56.0	16
11	46.95	5	21.4	17	2.71	9	54.4	18
21	47.00	10	19.7	18	2.80	15	52.6	21
31	[25] 47.10	12	17.9	16	[26] 2.95	19	50.5	19
Febr. 10	47.22	15	16.3	13	3.14	24	48.6	20
20	47.37	18	15.0	10	3.38	28	46.6	20
März 1	47.55	21	14.0	8	3.66	31	44.6	19
11	47.76	23	13.2	4	3.97	35	42.7	18
21	47.99	26	12.8	0	4.32	37	40.9	17
31	48.25	27	12.8	4	4.69	40	39.2	15
April 10	48.52	29	13.2	7	5.09	41	37.7	13
20	48.81	30	13.9	11	5.50	43	36.4	11
30	49.11	30	15.0	15	5.93	44	35.3	9
Mai 10	49.41	30	16.5	16	6.37	43	34.4	6
20	49.71	28	18.1	19	6.80	42	33.8	2
30	49.99	28	20.0	21	7.22	39	33.6	0
Juni 9	50.27	24	22.1	21	7.61	37	33.6	4
19	50.51	22	24.2	22	7.98	33	34.0	6
29	50.73	18	26.4	21	8.31	28	34.6	9
Juli 9	50.91	14	28.5	20	8.59	22	35.5	12
19	51.05	10	30.5	19	8.81	16	36.7	14
29	51.15	5	32.4	18	8.97	10	38.1	16
Aug. 8	51.20	1	34.2	15	9.07	3	39.7	16
18	51.21	4	35.7	13	9.10	3	41.3	17
28	51.17	7	37.0	12	9.07	9	43.0	17
Sept. 7	51.10	11	38.2	8	8.98	14	44.7	16
17	50.99	13	39.0	6	8.84	19	46.3	14
27	50.86	15	39.6	3	8.65	22	47.7	13
Okt. 7	50.71	16	39.9	0	8.43	24	49.0	9
17	50.55	17	39.9	2	8.19	25	49.9	6
27	50.38	16	39.7	4	7.94	23	50.5	2
Nov. 6	50.22	14	39.3	8	7.71	22	50.7	1
16	50.08	13	38.5	9	7.49	19	50.6	4
26	49.95	10	37.6	12	7.30	14	50.2	8
Dez. 6	49.85	6	36.4	14	7.16	9	49.4	11
16	49.79	3	35.0	15	7.07	5	48.3	13
26	49.76	0	33.5	17	7.02	1	47.0	16
36	49.76		31.8		7.03		45.4	
Mittl. Ort	49.07		24.3		5.95		46.0	
	768)				769)			

1908	73 Draconis. $5^m.3$. AR.		Dekl. +		β Delphini. $3^m.5$. AR.		Dekl. +		υ Capricorni. $5^m.5$. AR.		Dekl. —		α Delphini. $3^m.7$. AR.		Dekl. +	
	$20^h 32^m$		74° 38′		$20^h 33^m$		14° 16′		$20^h 34^m$		18° 27′		$20^h 35^m$		15° 35′	
Jan. 1	40.05	36	29.3	31	11.98	1	27.9	18	46.45	4	53.4	1	19.80	0	12.7	18
11	39.69	23	26.2	33	11.99	5	26.1	19	46.49	6	53.5	0	19.80	4	10.9	19
21	39.46	7	22.9	38	12.04	9	24.2	20	46.55	11	53.5	2	19.84	9	9.0	21
31	[26] 39.39	10	19.1	34	[26] 12.13	11	22.2	17	[27] 46.66	14	53.3	3	[27] 19.93	11	6.9	18
Febr. 10	39.49	25	15.7	33	12.24	15	20.5	15	46.80	17	53.0	3	20.04	15	5.1	15
20	39.74	39	12.4	30	12.39	18	19.0	12	46.97	20	52.7	6	20.19	17	3.6	13
März 1	40.13	52	9.4	26	12.57	20	17.8	9	47.17	22	52.1	6	20.36	21	2.3	10
11	40.65	64	6.8	22	12.77	23	16.9	5	47.39	25	51.5	8	20.57	23	1.3	5
21	41.29	73	4.6	15	13.00	26	16.4	1	47.64	27	50.7	10	20.80	25	0.8	2
31	42.02	79	3.1	10	13.26	27	16.3	3	47.91	29	49.7	11	21.05	27	0.6	2
April 10	42.81	83	2.1	4	13.53	29	16.6	6	48.20	30	48.6	11	21.32	29	0.8	7
20	43.64	84	1.7	3	13.82	30	17.2	11	48.50	32	47.5	12	21.61	30	1.5	10
30	44.48	82	2.0	9	14.12	30	18.3	14	48.82	32	46.3	13	21.91	31	2.5	14
Mai 10	45.30	79	2.9	16	14.42	30	19.7	17	49.14	32	45.0	13	22.22	30	3.9	17
20	46.09	71	4.5	20	14.72	29	21.4	20	49.46	31	43.7	12	22.52	29	5.6	20
30	46.80	63	6.5	25	15.01	27	23.4	21	49.77	30	42.5	11	22.81	27	7.6	22
Juni 9	47.43	53	9.0	28	15.28	25	25.5	23	50.07	28	41.4	10	23.08	25	9.8	23
19	47.96	40	11.8	32	15.53	22	27.8	22	50.35	24	40.4	8	23.33	22	12.1	23
29	48.36	28	15.0	34	15.75	19	30.0	23	50.59	22	39.6	6	23.55	19	14.4	23
Juli 9	48.64	14	18.4	35	15.94	14	32.3	22	50.81	17	39.0	5	23.74	14	16.7	23
19	48.78	0	21.9	36	16.08	10	34.5	21	50.98	13	38.5	3	23.88	11	19.0	22
29	48.78	14	25.5	35	16.18	6	36.6	19	51.11	7	38.2	1	23.99	5	21.2	20
Aug. 8	48.64	27	29.0	34	16.24	1	38.5	18	51.18	4	38.1	1	24.04	1	23.2	17
18	48.37	41	32.4	32	16.25	4	40.3	15	51.22	2	38.2	3	24.05	3	24.9	16
28	47.96	52	35.6	30	16.21	7	41.8	12	51.20	6	38.5	3	24.02	7	26.5	14
Sept. 7	47.44	62	38.6	27	16.14	11	43.0	10	51.14	9	38.8	4	23.95	11	27.9	10
17	46.82	71	41.3	22	16.03	13	44.0	7	51.05	12	39.2	5	23.84	14	28.9	8
27	46.11	78	43.5	19	15.90	16	44.7	5	50.93	15	39.7	6	23.70	15	29.7	5
Okt. 7	45.33	84	45.4	13	15.74	16	45.2	1	50.78	16	40.3	5	23.55	17	30.2	2
17	44.49	86	46.7	8	15.58	17	45.3	1	50.62	16	40.8	5	23.38	17	30.4	2
27	43.63	87	47.5	3	15.41	16	45.2	4	50.46	15	41.3	5	23.21	17	30.2	4
Nov. 6	42.76	86	47.8	3	15.25	15	44.8	8	50.31	14	41.8	5	23.04	15	29.8	7
16	41.90	81	47.5	9	15.10	13	44.0	10	50.17	12	42.3	3	22.89	13	29.1	10
26	41.09	76	46.6	15	14.97	11	43.0	12	50.05	9	42.6	3	22.76	10	28.1	12
Dez. 6	40.33	68	45.1	20	14.86	7	41.8	15	49.96	5	42.9	3	22.66	8	26.9	15
16	39.65	56	43.1	25	14.79	4	40.3	16	49.91	2	43.2	1	22.58	5	25.4	17
26	39.09	45	40.6	29	14.75	1	38.7	18	49.89	1	43.3	1	22.53	1	23.7	18
36	38.64		37.7		14.74		36.9		49.90		43.4		22.52		21.9	
Mittl. Ort	43.89		21.9		14.09		28.7		48.85		47.0		21.90		13.3	
	770)				771)				773)				774)			

1908	β Pavonis. 3m.3.				α Cygni. 1m.3.				ε Cygni. 2m.4.				ε Aquarii. 3m.6.			
	AR.		Dekl. —		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. —	
	20h 36m		66° 31′		20h 38m		44° 56′		20h 42m		33° 37′		20h 42m		9° 49′	
	s		″		s		″		s		″		s		″	
Jan. 1	35.70	2	75.7	25	15.51	6	68.6	28	27.21	3	33.5	25	39.55	2	64.1	5
11	35.68	— 8	73.2	28	15.45	2	65.8	30	27.18	— 1	31.0	27	39.57	6	64.6	5
21	35.76	20	70.4	32	15.43	— 5	62.8	34	27.19	5	28.3	29	39.63	9	65.1	4
31	[27] 35.96	27	67.2	29	[28] 15.48	10	59.4	30	[29] 27.24	10	25.4	26	[29] 39.72	12	65.5	2
Febr. 10	36.23	35	64.3	28	15.58	14	56.4	28	27.34	14	22.8	24	39.84	16	65.7	1
20	36.58	42	61.5	27	15.72	19	53.6	25	27.48	17	20.4	21	40.00	18	65.8	0
März 1	37.00	49	58.8	26	15.91	24	51.1	21	27.65	21	18.3	17	40.18	21	65.8	2
11	37.49	54	56.2	23	16.15	28	49.0	16	27.86	25	16.6	13	40.39	23	65.6	5
21	38.03	60	53.9	20	16.43	31	47.4	10	28.11	27	15.3	7	40.62	25	65.1	7
31	38.63	63	51.9	17	16.74	33	46.4	5	28.38	30	14.6	3	40.87	28	64.4	8
April 10	39.26	67	50.2	14	17.07	36	45.9	— 1	28.68	32	14.3	— 3	41.15	29	63.6	11
20	39.93	68	48.8	10	17.43	37	46.0	7	29.00	33	14.6	8	41.44	30	62.5	12
30	40.61	69	47.8	6	17.80	37	46.7	12	29.33	33	15.4	13	41.74	31	61.3	14
Mai 10	41.30	68	47.2	2	18.17	36	47.9	17	29.66	32	16.7	18	42.05	31	59.9	14
20	41.98	66	47.0	— 2	18.53	34	49.6	22	29.98	32	18.5	22	42.36	30	58.5	15
30	42.64	62	47.2	7	18.87	32	51.8	26	30.30	29	20.7	24	42.66	29	57.0	14
Juni 9	43.26	56	47.9	10	19.19	28	54.4	29	30.59	27	23.1	27	42.95	27	55.6	14
19	43.82	51	48.9	14	19.47	24	57.3	31	30.86	23	25.8	29	43.22	24	54.2	13
29	44.33	43	50.3	17	19.71	19	60.4	32	31.09	19	28.7	30	43.46	21	52.9	12
Juli 9	44.76	34	52.0	21	19.90	14	63.6	33	31.28	15	31.7	30	43.67	17	51.7	10
19	45.10	24	54.1	23	20.04	8	66.9	32	31.43	10	34.7	29	43.84	13	50.7	8
29	45.34	13	56.4	24	20.12	3	70.1	32	31.53	5	37.6	28	43.97	8	49.9	7
Aug. 8	45.47	3	58.8	25	20.15	— 3	73.3	30	31.58	— 1	40.4	27	44.05	3	49.2	4
18	45.50	— 7	61.3	25	20.12	9	76.3	28	31.57	5	43.1	24	44.08	— 1	48.8	3
28	45.43	17	63.8	23	20.03	14	79.1	24	31.52	10	45.5	21	44.07	5	48.5	1
Sept. 7	45.26	26	66.1	22	19.89	18	81.5	22	31.42	13	47.6	18	44.02	8	48.4	— 1
17	45.00	34	68.3	18	19.71	22	83.7	18	31.29	17	49.4	15	43.94	12	48.5	2
27	44.66	40	70.1	15	19.49	24	85.5	13	31.12	19	50.9	11	43.82	14	48.7	3
Okt. 7	44.26	43	71.6	11	19.25	26	86.8	9	30.93	21	52.0	7	43.68	15	49.0	3
17	43.83	46	72.7	6	18.99	27	87.7	4	30.72	21	52.7	2	43.53	15	49.3	5
27	43.37	44	73.3	1	18.72	27	88.1	— 1	30.51	21	52.9	— 1	43.38	15	49.8	5
Nov. 6	42.93	42	73.4	— 4	18.45	25	88.0	6	30.30	20	52.8	6	43.23	14	50.3	5
16	42.51	37	73.0	9	18.20	24	87.4	11	30.10	18	52.2	11	43.09	11	50.8	6
26	42.14	31	72.1	14	17.96	20	86.3	15	29.92	15	51.1	15	42.98	9	51.4	6
Dez. 6	41.83	24	70.7	18	17.76	17	84.8	21	29.77	12	49.6	18	42.89	6	52.0	6
16	41.59	15	68.9	22	17.59	13	82.7	24	29.65	9	47.8	22	42.83	3	52.6	5
26	41.44	5	66.7	25	17.46	9	80.3	27	29.56	5	45.6	24	42.80	— 1	53.1	6
36	41.39		64.2		17.37		77.6		29.51		43.2		42.81		53.7	
Mittl. Ort	40.69		63.6		17.71		64.3		29.30		30.9		41.81		58.7	
	775)				777)				780)				781)			

1908	η Cephei. $3^m.5$. AR.		η Cephei. Dekl. +		λ Cygni. $4^m.6$. AR.		λ Cygni. Dekl. +		β Jndi. $3^m.6$. AR.		β Jndi. Dekl. −		32 Vulpecul. $5^m.3$. AR.		32 Vulpecul. Dekl. +	
	$20^h 43^m$		61° 28′		$20^h 43^m$		36° 8′		$20^h 47^m$		58° 47′		$20^h 50^m$		27° 42′	
Jan. 1	22.62	17	58.9	29	47.36	4	71.2	26	33.56	1	78.5	22	36.27	3	28.0	23
11	22.45	9	56.0	33	47.32	0	68.6	27	33.55	−6	76.3	24	36.24	−1	25.7	24
21	22.36	1	52.7	37	47.32	6	65.9	31	[30]33.61	14	73.9	27	36.25	5	23.3	24
31	[29]22.35	−8	49.0	33	[29]47.38	9	62.8	27	33.75	20	71.2	26	36.30	10	20.9	26
Febr. 10	22.43	16	45.7	32	47.47	14	60.1	24	33.95	26	68.6	26	[31]36.40	12	18.3	21
20	22.59	23	42.5	29	47.61	17	57.7	23	34.21	32	66.0	25	36.52	17	16.2	19
März 1	22.82	31	39.6	25	47.78	21	55.4	18	34.53	37	63.5	24	36.69	20	14.3	15
11	23.13	36	37.1	20	47.99	25	53.6	13	34.90	41	61.1	23	36.89	22	12.8	11
21	23.49	42	35.1	15	48.24	28	52.3	9	35.31	46	58.8	21	37.11	26	11.7	6
31	23.91	46	33.6	8	48.52	30	51.4	3	35.77	49	56.7	18	37.37	28	11.1	1
April 10	24.37	49	32.8	3	48.82	32	51.1	−2	36.26	51	54.9	15	37.65	30	11.0	−3
20	24.86	50	32.5	−4	49.14	34	51.3	8	36.77	53	53.4	13	37.95	31	11.3	8
30	25.36	50	32.9	10	49.48	34	52.1	13	37.30	55	52.1	9	38.26	32	12.1	14
Mai 10	25.86	49	33.9	16	49.82	33	53.4	17	37.85	55	51.2	5	38.58	32	13.5	17
20	26.35	46	35.5	21	50.15	32	55.1	21	38.40	53	50.7	1	38.90	31	15.2	20
30	26.81	41	37.6	26	50.47	30	57.2	25	38.93	50	50.6	−2	39.21	29	17.2	24
Juni 9	27.22	37	40.2	29	50.77	27	59.7	28	39.43	47	50.8	6	39.50	27	19.6	26
19	27.59	30	43.1	32	51.04	24	62.5	29	39.90	42	51.4	10	39.77	23	22.2	27
29	27.89	22	46.3	34	51.28	19	65.4	30	40.32	37	52.4	13	40.00	20	24.9	27
Juli 9	28.11	16	49.7	36	51.47	14	68.4	30	40.69	29	53.7	17	40.20	15	27.6	28
19	28.27	7	53.3	35	51.61	10	71.4	31	40.98	22	55.4	19	40.35	11	30.4	27
29	28.34	−1	56.8	36	51.71	5	74.5	29	41.20	14	57.3	21	40.46	6	33.1	26
Aug. 8	28.33	9	60.4	34	51.76	−1	77.4	27	41.34	6	59.4	22	40.52	2	35.7	25
18	28.24	16	63.8	32	51.75	6	80.1	25	41.40	−3	61.6	22	40.54	−4	38.2	22
28	28.08	24	67.0	29	51.69	10	82.6	22	41.37	11	63.8	22	40.50	7	40.4	19
Sept. 7	27.84	29	69.9	26	51.59	14	84.8	19	41.26	17	66.0	20	40.43	12	42.3	16
17	27.55	35	72.5	23	51.45	18	86.7	16	41.09	24	68.0	18	40.31	14	43.9	13
27	27.20	39	74.8	18	51.27	20	88.3	12	40.85	28	69.8	15	40.17	17	45.2	10
Okt. 7	26.81	42	76.6	13	51.07	21	89.5	7	40.57	32	71.3	12	40.00	19	46.2	6
17	26.39	44	77.9	8	50.86	22	90.2	3	40.25	33	72.5	8	39.81	19	46.8	2
27	25.95	44	78.7	3	50.64	22	90.5	−1	39.92	32	73.3	3	39.62	19	47.0	−2
Nov. 6	25.51	43	79.0	−4	50.42	21	90.4	6	39.60	31	73.6	−1	39.43	18	46.8	6
16	25.08	41	78.6	9	50.21	19	89.8	11	39.29	28	73.5	6	39.25	16	46.2	9
26	24.67	37	77.7	14	50.02	17	88.7	14	39.01	23	72.9	11	39.09	14	45.3	14
Dez. 6	24.30	33	76.3	20	49.85	13	87.3	19	38.78	17	71.8	14	38.95	11	43.9	17
16	23.97	27	74.3	24	49.72	10	85.4	22	38.61	11	70.4	18	38.84	8	42.2	19
26	23.70	20	71.9	28	49.62	6	83.2	25	38.50	4	68.6	21	38.76	4	40.3	22
36	23.50		69.1		49.56		80.7		38.46		66.5		38.72		38.1	
Mittl. Ort	25.22		52.3		49.47		68.1		37.50		66.0		38.32		26.3	
	783)				784)				785)				786)			

1908	ν Cygni. 3m.9.				ζ Microscopii. 5m.4.				61 Cygni pr. 5m.4.*)				ν Aquarii. 4m.4.			
	AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. −	
	20h 53m		40° 48′		20h 57m		38° 59′		21h 2m		38° 17′		21h 4m		11° 44′	
	s		″		s		″		s		″		s		″	
Jan. 1	42.46	6	49.1	26	2.60	0	39.2	11	44.27	5	50.7	24	32.85	0	47.2	4
11	42.40	2	46.5	28	2.60	6	38.1	13	44.22	0	48.3	26	32.85	4	47.6	3
21	42.38	3	43.7	29	2.66	9	36.8	15	44.22	3	45.7	27	32.89	6	47.9	2
31	42.41	8	40.8	31	2.75	14	35.3	17	44.25	9	43.0	29	32.95	11	48.1	1
Febr. 10	[31] 42.49	12	37.7	27	[1] 2.89	18	33.6	16	[2] 44.34	13	40.1	24	[3] 33.06	13	48.2	1
20	42.61	17	35.0	24	3.07	21	32.0	17	44.47	17	37.7	22	33.19	16	48.1	2
März 1	42.78	21	32.6	20	3.28	25	30.3	18	44.64	21	35.5	19	33.35	19	47.9	5
11	42.99	25	30.6	16	3.53	28	28.5	18	44.85	26	33.6	14	33.54	22	47.4	6
21	43.24	28	29.0	11	3.81	30	26.7	17	45.11	28	32.2	8	33.76	24	46.8	9
31	43.52	32	27.9	5	4.11	34	25.0	16	45.39	31	31.4	4	34.00	27	45.9	10
April 10	43.84	33	27.4	0	4.45	35	23.4	16	45.70	33	31.0	2	34.27	28	44.9	12
20	44.17	35	27.4	6	4.80	38	21.8	14	46.03	35	31.2	8	34.55	30	43.7	13
30	44.52	35	28.0	12	5.18	38	20.4	12	46.38	36	32.0	12	34.85	31	42.4	15
Mai 10	44.87	35	29.2	17	5.56	38	19.2	11	46.74	35	33.2	18	35.16	32	40.9	15
20	45.22	34	30.9	20	5.94	38	18.1	8	47.09	34	35.0	22	35.48	31	39.4	15
30	45.56	32	32.9	25	6.32	37	17.3	5	47.43	32	37.2	25	35.79	30	37.9	15
Juni 9	45.88	29	35.4	27	6.69	34	16.8	3	47.75	30	39.7	28	36.09	29	36.4	14
19	46.17	25	38.1	30	7.03	31	16.5	0	48.05	26	42.5	30	36.38	25	35.0	13
29	46.42	20	41.1	31	7.34	28	16.5	3	48.31	22	45.5	32	36.63	23	33.7	11
Juli 9	46.62	16	44.2	33	7.62	23	16.8	6	48.53	17	48.7	32	36.86	19	32.6	10
19	46.78	11	47.5	31	7.85	17	17.4	9	48.70	12	51.9	32	37.05	15	31.6	7
29	46.89	5	50.6	31	8.02	12	18.3	10	48.82	6	55.1	31	37.20	10	30.9	6
Aug. 8	46.94	1	53.7	30	8.14	7	19.3	12	48.88	2	58.2	30	37.30	6	30.3	3
18	46.93	5	56.7	27	8.21	1	20.5	14	48.90	4	61.2	27	37.36	1	30.0	2
28	46.88	10	59.4	24	8.22	5	21.9	14	48.86	8	63.9	25	37.37	3	29.8	0
Sept. 7	46.78	15	61.8	22	8.17	10	23.3	14	48.78	12	66.4	22	37.34	7	29.8	2
17	46.63	18	64.0	18	8.07	13	24.7	13	48.66	16	68.6	18	37.27	9	30.0	3
27	46.45	21	65.8	14	7.94	17	26.0	12	48.50	19	70.4	14	37.18	13	30.3	4
Okt. 7	46.24	23	67.2	9	7.77	19	27.2	11	48.31	21	71.8	10	37.05	14	30.7	4
17	46.01	24	68.1	5	7.58	20	28.3	8	48.10	21	72.8	5	36.91	15	31.1	5
27	45.77	24	68.6	0	7.38	20	29.1	5	47.89	22	73.3	1	36.76	15	31.6	6
Nov. 6	45.53	23	68.6	4	7.18	19	29.6	3	47.67	20	73.4	4	36.61	14	32.2	5
16	45.30	22	68.2	9	6.99	16	29.9	0	47.47	18	73.0	8	36.47	12	32.7	6
26	45.08	19	67.3	14	6.83	13	29.9	3	47.29	18	72.2	12	36.35	10	33.3	5
Dez. 6	44.89	16	65.9	19	6.70	9	29.6	6	47.11	14	71.0	17	36.25	7	33.8	5
16	44.73	12	64.0	22	6.61	6	29.0	8	46.97	11	69.3	20	36.18	4	34.3	5
26	44.61	8	61.8	25	6.55	2	28.2	10	46.86	7	67.3	23	36.14	1	34.8	4
36	44.53		59.3		6.53		27.2		46.79		65.0		36.13		35.2	
Mittl. Ort	44.57		45.1		5.39		28.2		46.34		47.4		35.05		40.6	
	788)				790)				793)				794)			

*) Die jährliche Parallaxe ist bereits angebracht.

1908	Br. 2777. 6ᵐ.0.				ζ Cygni. 3ᵐ.1.				α Equulei. 3ᵐ.9.				α Cephei. 2ᵐ.5.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	$21^h\ 7^m$		77° 44′		$21^h\ 8^m$		29° 50′		$21^h\ 11^m$		4° 51′		$21^h\ 16^m$		62° 11′	
	s		″		s		″		s		″		s		″	
Jan. 1	17.19	60	81.4	27	59.22	5	59.2	23	11.49	1	58.1	12	20.63	23	51.7	26
11	16.59	46	78.7	30	59.17	1	56.9	24	11.48	— 2	56.9	13	20.40	16	49.1	30
21	16.13	27	75.7	33	59.16	— 2	54.5	24	11.50	4	55.6	12	20.24	8	46.1	33
31	15.86	7	72.4	38	59.18	7	52.1	26	11.54	9	54.4	12	20.16	— 1	42.8	36
Febr. 10	[4] 15.79	— 14	68.6	33	[1] 59.25	11	49.5	22	[5] 11.63	12	53.2	9	[6] 20.17	9	39.2	32
20	15.93	32	65.3	32	59.36	15	47.3	20	11.75	14	52.3	6	20.26	17	36.0	31
März 1	16.25	51	62.1	29	59.51	18	45.3	17	11.89	18	51.7	5	20.43	26	32.9	27
11	16.76	67	59.2	24	59.69	21	43.6	12	12.07	20	51.2	1	20.69	32	30.2	23
21	17.43	80	56.8	20	59.90	25	42.4	8	12.27	23	51.1	— 2	21.01	39	27.9	18
31	18.23	91	54.8	14	60.15	27	41.6	3	12.50	25	51.3	5	21.40	44	26.1	13
April 10	19.14	97	53.4	9	60.42	30	41.3	— 2	12.75	27	51.8	8	21.84	48	24.8	6
20	20.11	103	52.5	1	60.72	32	41.5	7	13.02	29	52.6	12	22.32	51	24.2	0
30	21.14	102	52.4	— 4	61.04	32	42.2	12	13.31	30	53.8	14	22.83	51	24.2	6
Mai 10	22.16	100	52.8	10	61.36	33	43.4	16	13.61	31	55.2	16	23.34	51	24.8	12
20	23.16	95	53.8	16	61.69	31	45.0	20	13.92	30	56.8	18	23.85	50	26.0	17
30	24.11	85	55.4	21	62.00	31	47.0	23	14.22	29	58.6	19	24.35	46	27.7	22
Juni 9	24.96	74	57.5	26	62.31	29	49.3	25	14.51	28	60.5	20	24.81	41	29.9	27
19	25.70	61	60.1	29	62.60	25	51.8	27	14.79	25	62.5	20	25.22	36	32.6	30
29	26.31	46	63.0	32	62.85	21	54.5	29	15.04	22	64.5	19	25.58	29	35.6	33
Juli 9	26.77	31	66.2	35	63.06	17	57.4	29	15.26	18	66.4	18	25.87	22	38.9	35
19	27.08	13	69.7	35	63.23	13	60.3	28	15.44	14	68.2	17	26.09	14	42.4	35
29	27.21	— 3	73.2	37	63.36	8	63.1	27	15.58	10	69.9	15	26.23	6	45.9	36
Aug. 8	27.18	20	76.9	35	63.44	3	65.8	26	15.68	5	71.4	14	26.29	— 2	49.5	35
18	26.98	36	80.4	35	63.47	— 2	68.4	24	15.73	1	72.8	11	26.27	10	53.0	34
28	26.62	52	83.9	33	63.45	6	70.8	21	15.74	— 3	73.9	9	26.17	18	56.4	32
Sept. 7	26.10	66	87.2	31	63.39	10	72.9	18	15.71	7	74.8	7	25.99	24	59.6	29
17	25.44	78	90.3	27	63.29	13	74.7	15	15.64	10	75.5	4	25.75	31	62.5	26
27	24.66	89	93.0	23	63.16	17	76.2	12	15.54	12	75.9	3	25.44	35	65.1	22
Okt. 7	23.77	97	95.3	19	62.99	18	77.4	8	15.42	14	76.2	0	25.09	39	67.3	17
17	22.80	103	97.2	14	62.81	18	78.2	4	15.28	14	76.2	2	24.70	42	69.0	12
27	21.77	107	98.6	9	62.63	19	78.6	0	15.14	15	76.0	4	24.28	44	70.2	7
Nov. 6	20.70	109	99.5	2	62.44	19	78.6	4	14.99	14	75.6	5	23.84	43	70.9	1
16	19.61	107	99.7	— 2	62.25	17	78.2	8	14.85	13	75.1	7	23.41	42	71.0	— 4
26	18.54	100	99.5	9	62.08	15	77.4	12	14.72	11	74.4	9	22.99	41	70.6	10
Dez. 6	17.54	94	98.6	15	61.93	13	76.2	16	14.61	8	73.5	11	22.58	36	69.6	16
16	16.60	83	97.1	20	61.80	10	74.6	19	14.53	6	72.4	11	22.22	32	68.0	21
26	15.77	71	95.1	25	61.70	6	72.7	21	14.47	2	71.3	12	21.90	25	65.9	25
36	15.06		92.6		61.64		70.6		14.45		70.1		21.65		63.4	
Mittl. Ort	21.28		72.3		61.21		57.0		13.52		61.4		23.06		44.0	
	795)				797)				800)				803)			

1908	ι Pegasi. $4^m.2$. AR.		Dekl. +		γ Pavonis. $4^m.2$. AR.		Dekl. —		ζ Capricorni. $3^m.8$. AR.		Dekl. —		β Aquarii. $2^m.9$. AR.		Dekl. —	
	$21^h 17^m$		19° 24′		$21^h 18^m$		65° 46′		$21^h 21^m$		22° 48′		$21^h 26^m$		5° 58′	
Jan. 1	47.94	4	37.6	19	46.33	10	74.6	24	22.72	— 2	46.6	2	40.95	— 2	40.8	7
11	47.90	0	35.7	19	46.23	2	72.2	26	22.70	2	46.4	3	40.93	1	41.5	6
21	47.90	3	33.8	19	46.21	— 6	69.6	29	22.72	6	46.1	5	40.94	4	42.1	5
31	47.93	7	31.9	20	46.27	16	66.7	33	22.78	10	45.6	8	40.98	8	42.6	4
Febr. 10	6 48.00	10	29.9	17	6 46.43	23	63.4	31	7 22.88	12	44.8	8	8 41.06	10	43.0	2
20	48.10	13	28.2	15	46.66	32	60.3	30	23.00	16	44.0	9	41.16	14	43.2	0
März 1	48.23	17	26.7	12	46.98	39	57.3	29	23.16	18	43.1	11	41.30	16	43.2	2
11	48.40	20	25.5	8	47.37	45	54.4	28	23.34	22	42.0	13	41.46	20	43.0	4
21	48.60	23	24.7	4	47.82	51	51.6	26	23.56	24	40.7	13	41.66	22	42.6	7
31	48.83	26	24.3	0	48.33	56	49.0	23	23.80	27	39.4	15	41.88	25	41.9	9
April 10	49.09	28	24.3	5	48.89	60	46.7	20	24.07	29	37.9	15	42.13	27	41.0	11
20	49.37	29	24.8	8	49.49	63	44.7	16	24.36	31	36.4	15	42.40	29	39.9	14
30	49.66	31	25.6	13	50.12	66	43.1	13	24.67	33	34.9	16	42.69	30	38.5	15
Mai 10	49.97	31	26.9	17	50.78	66	41.8	8	25.00	33	33.3	15	42.99	31	37.0	16
20	50.28	31	28.6	19	51.44	66	41.0	4	25.33	34	31.8	14	43.30	31	35.4	17
30	50.59	29	30.5	21	52.10	64	40.6	0	25.67	32	30.4	13	43.61	30	33.7	17
Juni 9	50.88	28	32.6	24	52.74	60	40.6	5	25.99	31	29.1	10	43.91	29	32.0	17
19	51.16	26	35.0	24	53.34	55	41.1	9	26.30	29	28.1	9	44.20	27	30.3	16
29	51.42	22	37.4	25	53.89	49	42.0	14	26.59	26	27.2	7	44.47	24	28.7	15
Juli 9	51.64	18	39.9	25	54.38	41	43.4	17	26.85	22	26.5	4	44.71	20	27.2	13
19	51.82	14	42.4	24	54.79	32	45.1	20	27.07	17	26.1	2	44.91	16	25.9	12
29	51.96	10	44.8	23	55.11	23	47.1	22	27.24	13	25.9	— 1	45.07	12	24.7	9
Aug. 8	52.06	5	47.1	21	55.34	13	49.3	24	27.37	8	26.0	2	45.19	8	23.8	7
18	52.11	0	49.2	19	55.47	2	51.7	25	27.45	3	26.2	5	45.27	3	23.1	6
28	52.11	4	51.1	17	55.49	— 8	54.2	26	27.48	— 1	26.7	6	45.30	— 1	22.5	3
Sept. 7	52.07	7	52.8	14	55.41	18	56.8	24	27.47	6	27.3	7	45.29	5	22.2	1
17	52.00	11	54.2	11	55.23	26	59.2	21	27.41	9	28.0	8	45.24	9	22.1	0
27	51.89	13	55.3	9	54.97	33	61.3	19	27.32	12	28.8	9	45.15	11	22.1	2
Okt. 7	51.76	16	56.2	5	54.64	38	63.2	15	27.20	14	29.7	8	45.04	13	22.3	3
17	51.60	16	56.7	2	54.26	41	64.7	11	27.06	16	30.5	7	44.91	14	22.6	4
27	51.44	16	56.9	— 1	53.85	43	65.8	6	26.90	15	31.2	7	44.77	14	23.0	5
Nov. 6	51.28	16	56.8	5	53.42	42	66.4	1	26.75	15	31.9	5	44.63	13	23.5	6
16	51.12	14	56.3	7	53.00	39	66.5	— 4	26.60	13	32.4	5	44.50	13	24.1	6
26	50.98	13	55.6	11	52.61	36	66.1	10	26.47	11	32.9	3	44.37	11	24.7	7
Dez. 6	50.85	11	54.5	13	52.25	29	65.1	14	26.36	9	33.2	1	44.26	8	25.4	7
16	50.74	8	53.2	15	51.96	22	63.7	19	26.27	6	33.3	0	44.18	6	26.1	6
26	50.66	5	51.7	18	51.74	14	61.8	23	26.21	3	33.3	1	44.12	3	26.7	7
36	50.61		49.9		51.60		59.5		26.18		33.2		44.09		27.4	
Mittl. Ort	49.89		37.7		50.78		58.7		25.00		36.9		43.00		34.6	
	804)				805)				806)				808)			

1908	β Cephei. $3^m.1$.				ν Octantis. $3^m.7$.				74 Cygni. $5^m.1$.				ε Pegasi. $2^m.3$.			
	AR.		Dekl. +		AR.		Dekl. —		AR.		Dekl. +		AR.		Dekl. +	
	$21^h 27^m$		70° 9′		$21^h 31^m$		77° 47′		$21^h 33^m$		39° 59′		$21^h 39^m$		9° 26′	
Jan. 1	25.82	38	33.4	26	8.87	35	74.2	28	13.69	10	64.2	24	38.15	4	67.4	13
11	25.44	29	30.8	30	8.52	18	71.4	30	13.59	6	61.8	25	38.11	1	66.1	14
21	25.15	18	27.8	32	8.34	1	68.4	32	13.53	2	59.3	27	38.10	1	64.7	13
31	24.97	6	24.6	36	8.33	16	65.2	35	13.51	2	56.6	28	38.11	5	63.4	13
Febr. 10	24.91	6	21.0	33	8.49	36	61.7	38	13.53	8	53.8	28	38.16	9	62.1	12
20	24.97	17	17.7	32	8.85	49	57.9	34	13.61	12	51.0	25	38.25	11	60.9	10
März 1	25.14	30	14.5	30	9.34	64	54.5	33	13.73	16	48.5	21	38.36	15	59.9	6
11	25.44	39	11.5	25	9.98	77	51.2	31	13.89	21	46.4	17	38.51	18	59.3	3
21	25.83	49	9.0	21	10.75	90	48.1	28	14.10	25	44.7	13	38.69	21	59.0	0
31	26.32	56	6.9	15	11.65	100	45.3	24	14.35	28	43.4	8	38.90	24	59.0	3
April 10	26.88	62	5.4	9	12.65	108	42.9	21	14.63	32	42.6	2	39.14	26	59.3	7
20	27.50	66	4.5	3	13.73	113	40.8	17	14.95	34	42.4	4	39.40	28	60.0	10
30	28.16	68	4.2	3	14.86	118	39.1	13	15.29	34	42.8	8	39.68	30	61.0	14
Mai 10	28.84	67	4.5	9	16.04	119	37.8	8	15.63	36	43.6	13	39.98	31	62.4	16
20	29.51	65	5.4	16	17.23	121	37.0	2	15.99	35	44.9	18	40.29	30	64.0	18
30	30.16	60	7.0	20	18.44	116	36.8	2	16.34	34	46.7	23	40.59	31	65.8	20
Juni 9	30.76	55	9.0	25	19.60	110	37.0	7	16.68	32	49.0	25	40.90	28	67.8	21
19	31.31	47	11.5	29	20.70	100	37.7	12	17.00	28	51.5	28	41.18	27	69.9	22
29	31.78	38	14.4	32	21.70	90	38.9	17	17.28	25	54.3	30	41.45	24	72.1	21
Juli 9	32.16	29	17.6	34	22.60	76	40.6	20	17.53	21	57.3	31	41.69	20	74.2	21
19	32.45	18	21.0	35	23.36	60	42.6	24	17.74	15	60.4	32	41.89	17	76.3	20
29	32.63	8	24.5	37	23.96	42	45.0	27	17.89	10	63.6	31	42.06	12	78.3	18
Aug. 8	32.71	4	28.2	36	24.38	23	47.7	28	17.99	5	66.7	31	42.18	8	80.1	17
18	32.67	14	31.8	36	24.61	3	50.5	29	18.04	0	69.8	28	42.26	3	81.8	14
28	32.53	24	35.4	34	24.64	15	53.4	28	18.04	5	72.6	27	42.29	1	83.2	12
Sept. 7	32.29	33	38.8	31	24.49	34	56.2	27	17.99	10	75.3	24	42.28	4	84.4	10
17	31.96	41	41.9	28	24.15	50	58.9	25	17.89	14	77.7	21	42.24	8	85.4	8
27	31.55	49	44.7	25	23.65	66	61.4	21	17.75	17	79.8	17	42.16	10	86.2	5
Okt. 7	31.06	55	47.2	20	22.99	77	63.5	18	17.58	19	81.5	13	42.06	13	86.7	2
17	30.51	59	49.2	16	22.22	84	65.3	13	17.39	22	82.8	9	41.93	14	86.9	1
27	29.92	62	50.8	10	21.38	90	66.6	6	17.17	22	83.7	4	41.79	14	87.0	2
Nov. 6	29.30	63	51.8	5	20.48	90	67.2	1	16.95	22	84.1	0	41.65	15	86.8	5
16	28.67	62	52.3	2	19.58	86	67.3	5	16.73	21	84.1	5	41.50	13	86.3	7
26	28.05	60	52.1	7	18.72	80	66.8	11	16.52	20	83.6	10	41.37	12	85.6	8
Dez. 6	27.45	56	51.4	13	17.92	70	65.7	17	16.32	17	82.6	14	41.25	10	84.8	10
16	26.89	50	50.1	18	17.22	57	64.0	22	16.15	15	81.2	18	41.15	7	83.8	12
26	26.39	42	48.3	24	16.65	42	61.8	26	16.00	11	79.4	22	41.08	5	82.6	12
36	25.97		45.9		16.23		59.2		15.89		77.2		41.03		81.4	
Mittl. Ort	28.62		24.2		16.41		56.6		15.62		59.6		40.04		70.1	
	809)				810)				811)				815)			

1908	δ Capricorni. $2^m.8$. AR.		Dekl. −		π^2 Cygni. $4^m.3$. AR.		Dekl. +		γ Gruis. $3^m.0$. AR.		Dekl. −		16 Pegasi. $5^m.2$. AR.		Dekl. +	
	$21^h 41^m$		16° 32′		$21^h 43^m$		48° 52′		$21^h 48^m$		37° 47′		$21^h 48^m$		25° 29′	
Jan. 1	55.77	3	51.8	1	21.63	15	67.1	23	19.19	5	66.8	9	50.70	7	32.3	18
11	55.74	0	51.9	0	21.48	10	64.8	27	19.14	1	65.9	12	50.63	5	30.5	20
21	55.74	3	51.9	1	21.38	6	62.1	29	19.13	— 2	64.7	14	50.58	1	28.5	21
31	55.77	6	51.8	3	21.32	1	59.2	29	19.15	6	63.3	16	50.57	— 3	26.4	21
Febr. 10	55.83	11	51.5	5	21.31	— 6	56.3	32	19.21	12	61.7	19	50.60	7	24.3	21
	12				13				14				14			
20	55.94	13	51.0	7	21.37	11	53.1	28	19.33	14	59.8	19	50.67	10	22.2	18
März 1	56.07	16	50.3	8	21.48	16	50.3	25	19.47	18	57.9	20	50.77	14	20.4	15
11	56.23	18	49.5	10	21.64	22	47.8	21	19.65	22	55.9	21	50.91	17	18.9	12
21	56.41	22	48.5	12	21.86	27	45.7	16	19.87	25	53.8	21	51.08	21	17.7	7
31	56.63	25	47.3	13	22.13	31	44.1	12	20.12	29	51.7	21	51.29	25	17.0	3
April 10	56.88	27	46.0	15	22.44	34	42.9	5	20.41	32	49.6	20	51.54	27	16.7	— 1
20	57.15	30	44.5	15	22.78	37	42.4	0	20.73	34	47.6	19	51.81	29	16.8	6
30	57.45	31	43.0	16	23.15	39	42.4	6	21.07	37	45.7	17	52.10	31	17.4	10
Mai 10	57.76	32	41.4	17	23.54	40	43.0	11	21.44	37	44.0	16	52.41	33	18.4	14
20	58.08	33	39.7	16	23.94	40	44.1	16	21.81	38	42.4	14	52.74	31	19.8	18
30	58.41	32	38.1	15	24.34	38	45.7	22	22.19	38	41.0	11	53.05	32	21.6	21
Juni 9	58.73	30	36.6	15	24.72	35	47.9	24	22.57	36	39.9	8	53.37	30	23.7	24
19	59.03	29	35.1	12	25.07	32	50.3	29	22.93	34	39.1	5	53.67	28	26.1	26
29	59.32	26	33.9	11	25.39	28	53.2	31	23.27	32	38.6	1	53.95	25	28.7	26
Juli 9	59.58	23	32.8	8	25.67	23	56.3	32	23.59	28	38.5	— 2	54.20	21	31.3	27
19	59.81	19	32.0	6	25.90	17	59.5	34	23.87	23	38.7	5	54.41	17	34.0	27
29	60.00	14	31.4	4	26.07	12	62.9	34	24.10	17	39.2	8	54.58	12	36.7	26
Aug. 8	60.14	9	31.0	1	26.19	5	66.3	33	24.27	12	40.0	11	54.70	8	39.3	25
18	60.23	5	30.9	0	26.24	0	69.6	32	24.39	7	41.1	13	54.78	4	41.8	23
28	60.28	1	30.9	3	26.24	6	72.8	30	24.46	1	42.4	14	54.82	— 1	44.1	21
Sept. 7	60.29	— 3	31.2	5	26.18	12	75.8	28	24.47	— 4	43.8	15	54.81	6	46.2	18
17	60.26	8	31.7	5	26.06	16	78.6	24	24.43	8	45.3	15	54.75	9	48.0	15
27	60.18	10	32.2	6	25.90	19	81.0	21	24.35	13	46.8	15	54.66	11	49.5	13
Okt. 7	60.08	12	32.8	7	25.71	23	83.1	17	24.22	15	48.3	14	54.55	15	50.8	9
17	59.96	14	33.5	7	25.48	25	84.8	13	24.07	17	49.7	11	54.40	15	51.7	5
27	59.82	14	34.2	7	25.23	27	86.1	7	23.90	18	50.8	10	54.25	17	52.2	3
Nov. 6	59.68	14	34.9	6	24.96	27	86.8	3	23.72	19	51.8	7	54.08	16	52.5	— 2
16	59.54	13	35.5	6	24.69	27	87.1	— 3	23.53	17	52.5	4	53.92	16	52.3	5
26	59.41	11	36.1	5	24.42	25	86.8	8	23.36	15	52.9	1	53.76	15	51.8	8
Dez. 6	59.30	9	36.6	4	24.17	23	86.0	13	23.21	13	53.0	— 2	53.61	13	51.0	12
16	59.21	7	37.0	3	23.94	21	84.7	18	23.08	10	52.8	6	53.48	11	49.8	15
26	59.14	4	37.3	2	23.73	17	82.9	21	22.98	7	52.2	8	53.37	8	48.3	17
36	59.10		37.5		23.56		80.8		22.91		51.4		53.29		46.6	
Mittl. Ort	57.87		42.5		23.60		60.7		21.64		52.5		52.52		31.0	
	819)				821)				822)				823)			

1908	α Aquarii. $2^m.9$. AR.		Dekl. −		ι Aquarii. $4^m.2$. AR.		Dekl. −		20 Cephei. $5^m.7$. AR.		Dekl. +		α Gruis. $1^m.8$. AR.		Dekl. −	
	$22^h\ 1^m$		0° 45′		$22^h\ 1^m$		14° 18′		$22^h\ 2^m$		62° 19′		$22^h\ 2^m$		47° 24′	
Jan. 1	1.69	4	67.5	8	26.22	4	68.2	3	10.57	29	80.8	22	23.68	8	42.0	13
11	1.65	3	68.3	8	26.18	2	68.5	1	10.28	23	78.6	26	23.60	5	40.7	16
21	1.62	— 1	69.1	8	26.16	— 1	68.6	0	10.05	17	76.0	30	23.55	0	39.1	19
31	1.63	3	69.9	6	26.17	4	68.6	2	9.88	9	73.0	31	23.55	5	37.2	22
Febr. 10	1.66	7	70.5	5	26.21	8	68.4	4	9.79	1	69.9	35	23.60	10	35.0	25
20	[17] 1.73	10	71.0	3	[17] 26.29	10	68.0	6	[17] 9.78	— 8	66.4	31	[18] 23.70	14	32.5	25
März 1	1.83	13	71.3	0	26.39	14	67.4	8	9.86	17	63.3	29	23.84	18	30.0	25
11	1.96	16	71.3	2	26.53	17	66.6	9	10.03	24	60.4	25	24.02	23	27.5	25
21	2.12	19	71.1	5	26.70	20	65.7	12	10.27	32	57.9	22	24.25	27	25.0	25
31	2.31	23	70.6	8	26.90	23	64.5	13	10.59	39	55.7	17	24.52	31	22.5	25
April 10	2.54	25	69.8	10	27.13	25	63.2	15	10.98	44	54.0	11	24.83	35	20.0	23
20	2.79	27	68.8	13	27.38	29	61.7	16	11.42	48	52.9	5	25.18	38	17.7	21
30	3.06	29	67.5	15	27.67	30	60.1	17	11.90	51	52.4	— 1	25.56	41	15.6	19
Mai 10	3.35	31	66.0	16	27.97	31	58.4	18	12.41	53	52.5	6	25.97	42	13.7	17
20	3.66	31	64.4	18	28.28	32	56.6	17	12.94	52	53.1	13	26.39	43	12.0	13
30	3.97	30	62.6	19	28.60	32	54.9	17	13.46	50	54.4	18	26.82	43	10.7	10
Juni 9	4.27	30	60.7	20	28.92	31	53.2	16	13.96	47	56.2	22	27.25	42	9.7	6
19	4.57	28	58.7	18	29.23	30	51.6	14	14.43	43	58.4	27	27.67	40	9.1	2
29	4.85	26	56.9	18	29.53	27	50.2	13	14.86	37	61.1	30	28.07	36	8.9	— 2
Juli 9	5.11	23	55.1	17	29.80	24	48.9	11	15.23	31	64.1	33	28.43	32	9.1	5
19	5.34	18	53.4	15	30.04	20	47.8	8	15.54	23	67.4	35	28.75	28	9.6	9
29	5.52	15	51.9	14	30.24	15	47.0	5	15.77	16	70.9	36	29.03	22	10.5	13
Aug. 8	5.67	11	50.5	11	30.39	12	46.5	3	15.93	8	74.5	36	29.25	15	11.8	15
18	5.78	6	49.4	9	30.51	6	46.2	1	16.01	0	78.1	35	29.40	9	13.3	17
28	5.84	2	48.5	7	30.57	3	46.1	— 1	16.01	8	81.6	35	29.49	3	15.0	19
Sept. 7	5.86	— 2	47.8	4	30.60	— 2	46.2	3	15.93	15	85.1	32	29.52	— 3	16.9	20
17	5.84	6	47.4	3	30.58	5	46.5	4	15.78	22	88.3	30	29.49	9	18.9	19
27	5.78	8	47.1	1	30.53	8	46.9	6	15.56	28	91.3	27	29.40	14	20.8	19
Okt. 7	5.70	11	47.0	— 1	30.45	12	47.5	6	15.28	32	94.0	23	29.26	18	22.7	17
17	5.59	12	47.1	3	30.33	12	48.1	7	14.96	36	96.3	18	29.08	20	24.4	15
27	5.47	14	47.4	4	30.21	14	48.8	7	14.60	40	98.1	13	28.88	22	25.9	11
Nov. 6	5.33	13	47.8	5	30.07	13	49.5	7	14.20	41	99.4	8	28.66	22	27.0	8
16	5.20	12	48.3	7	29.94	13	50.2	7	13.79	42	100.2	3	28.44	21	27.8	4
26	5.08	12	49.0	7	29.81	12	50.9	5	13.37	41	100.5	— 4	28.23	20	28.2	0
Dez. 6	4.96	9	49.7	7	29.69	10	51.4	5	12.96	39	100.1	9	28.03	18	28.2	4
16	4.87	8	50.4	9	29.59	7	51.9	4	12.57	36	99.2	15	27.85	14	27.8	8
26	4.79	6	51.3	8	29.52	6	52.3	3	12.21	32	97.7	20	27.71	11	27.0	12
36	4.73		52.1		29.46		52.6		11.89		95.7		27.60		25.8	
Mittl. Ort	3.55		61.6		28.19		58.6		12.69		71.7		26.34		25.0	
	827)				828)				830)				829)			

1908	ϑ Pegasi. $3^m.6$.				π Pegasi. $4^m.3$.				ζ Cephei. $3^m.4$.				24 Cephei. $4^m.8$.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	$22^h 5^m$		$5° 44'$		$22^h 5^m$		$32° 43'$		$22^h 7^m$		$57° 44'$		$22^h 7^m$		$71° 52'$	
Jan. 1	31.75	5	37.5	11	52.26	10	38.5	19	37.68	24	59.5	22	59.94	50	86.9	21
11	31.70	4	36.4	11	52.16	7	36.6	22	37.44	20	57.3	25	59.44	42	84.8	26
21	31.66	0	35.3	11	52.09	4	34.4	22	37.24	13	54.8	29	59.02	32	82.2	29
31	31.66	3	34.2	10	52.05	1	32.2	24	37.11	8	51.9	30	58.70	20	79.3	31
Febr. 10	31.69	6	33.2	9	52.04	— 4	29.8	24	37.03	0	48.9	33	58.50	7	76.2	36
	18				18				19				19			
20	31.75	9	32.3	7	52.08	8	27.4	22	37.03	7	45.6	31	58.43	— 6	72.6	33
März 1	31.84	12	31.6	4	52.16	13	25.2	18	37.10	14	42.5	28	58.49	20	69.3	31
11	31.96	16	31.2	1	52.29	16	23.4	16	37.24	21	39.7	25	58.69	32	66.2	27
21	32.12	19	31.1	— 2	52.45	20	21.8	11	37.45	28	37.2	20	59.01	43	63.5	24
31	32.31	22	31.3	5	52.65	25	20.7	7	37.73	34	35.2	16	59.44	53	61.1	20
April 10	32.53	25	31.8	8	52.90	27	20.0	2	38.07	39	33.6	11	59.97	61	59.1	14
20	32.78	27	32.6	11	53.17	30	19.8	— 3	38.46	42	32.5	4	60.58	68	57.7	8
30	33.05	29	33.7	13	53.47	32	20.1	8	38.88	46	32.1	— 1	61.26	71	56.9	2
Mai 10	33.34	30	35.0	17	53.79	34	20.9	12	39.34	47	32.2	7	61.97	74	56.7	— 4
20	33.64	31	36.7	18	54.13	34	22.1	17	39.81	46	32.9	13	62.71	73	57.1	10
30	33.95	31	38.5	20	54.47	33	23.8	20	40.27	46	34.2	18	63.44	70	58.1	16
Juni 9	34.26	30	40.5	20	54.80	32	25.8	23	40.73	43	36.0	22	64.14	66	59.7	20
19	34.56	28	42.5	20	55.12	30	28.1	26	41.16	40	38.2	27	64.80	59	61.7	26
29	34.84	26	44.5	21	55.42	27	30.7	28	41.56	35	40.9	30	65.39	51	64.3	29
Juli 9	35.10	23	46.6	19	55.69	23	33.5	29	41.91	29	43.9	32	65.90	42	67.2	32
19	35.33	19	48.5	19	55.92	19	36.4	29	42.20	22	47.1	34	66.32	31	70.4	35
29	35.52	14	50.4	17	56.11	14	39.3	29	42.42	17	50.5	36	66.63	21	73.9	36
Aug. 8	35.66	11	52.1	15	56.25	10	42.2	28	42.59	9	54.1	35	66.84	9	77.5	37
18	35.77	6	53.6	13	56.35	4	45.0	27	42.68	2	57.6	35	66.93	— 3	81.2	37
28	35.83	2	54.9	10	56.39	0	47.7	24	42.70	— 5	61.1	34	66.90	14	84.9	36
Sept. 7	35.85	— 2	55.9	9	56.39	4	50.1	23	42.65	11	64.5	31	66.76	24	88.5	34
17	35.83	5	56.8	6	56.35	8	52.4	19	42.54	18	67.6	29	66.52	33	91.9	32
27	35.78	8	57.4	4	56.27	12	54.3	17	42.36	22	70.5	26	66.19	43	95.1	30
Okt. 7	35.70	11	57.8	2	56.15	14	56.0	13	42.14	26	73.1	22	65.76	51	98.1	26
17	35.59	12	58.0	— 1	56.01	16	57.3	9	41.88	30	75.3	18	65.25	57	100.7	21
27	35.47	13	57.9	2	55.85	18	58.2	5	41.58	33	77.1	13	64.68	61	102.8	16
Nov. 6	35.34	13	57.7	4	55.67	18	58.7	2	41.25	34	78.4	7	64.07	66	104.4	11
16	35.21	13	57.3	6	55.49	18	58.9	— 3	40.91	35	79.1	3	63.41	67	105.5	5
26	35.08	12	56.7	7	55.31	17	58.6	7	40.56	34	79.4	— 4	62.74	66	106.0	— 1
Dez. 6	34.96	10	56.0	9	55.14	15	57.9	11	40.22	32	79.0	9	62.08	64	105.9	7
16	34.86	9	55.1	10	54.99	14	56.8	14	39.90	30	78.1	15	61.44	61	105.2	13
26	34.77	6	54.1	10	54.85	12	55.4	18	39.60	27	76.6	19	60.83	54	103.9	18
36	34.71		53.1		54.73		53.6		39.33		74.7		60.29		102.1	
Mittl. Ort	33.55		41.7		54.01		35.3		39.64		51.0		62.46		76.4	
	834)				835)				836)				837)			

1908	ϑ Aquarii. 4ᵐ.2. AR.		Dekl. —		α Tucanae. 2ᵐ.8. AR.		Dekl. —		γ Aquarii. 3ᵐ.7. AR.		Dekl. —		3 Lacertae. 4ᵐ.5. AR.		Dekl. +	
	22ʰ 11ᵐ		8° 14′		22ʰ 12ᵐ		60° 42′		22ʰ 16ᵐ		1° 50′		22ʰ 19ᵐ		51° 45′	
Jan. 1	56.94	5	38.3	5	9.09	17	86.2	19	52.50	5	71.1	8	54.61	20	71.9	21
11	56.89	3	38.8	4	8.92	11	84.3	22	52.45	4	71.9	7	54.41	17	69.8	24
21	56.86	0	39.2	3	8.81	4 —	82.1	25	52.41	1 —	72.6	6	54.24	11	67.4	27
31	56.86	3	39.5	2	8.77	2	79.6	28	52.40	2	73.2	5	54.13	7	64.7	28
Febr. 10	56.89	5	39.7	0	8.79	8	76.8	29	52.42	5	73.7	4	54.06	2 —	61.9	29
20	56.94	10	39.7	2	8.87	16	73.9	34	52.47	9	74.1	2	54.04	6	59.0	31
März 1	[20]57.04	12	39.5	4	[20]9.03	22	70.5	31	[21]52.56	11	74.3	0	[22]54.10	12	55.9	27
11	57.16	16	39.1	7	9.25	28	67.4	31	52.67	15	74.3	3	54.22	17	53.2	23
21	57.32	19	38.4	9	9.53	34	64.3	29	52.82	18	74.0	6	54.39	24	50.9	20
31	57.51	21	37.5	11	9.87	40	61.4	28	53.00	21	73.4	8	54.63	29	48.9	15
April 10	57.72	25	36.4	13	10.27	44	58.6	26	53.21	24	72.6	11	54.92	33	47.4	10
20	57.97	27	35.1	15	10.71	49	56.0	23	53.45	27	71.5	13	55.25	37	46.4	4 —
30	58.24	29	33.6	17	11.20	52	53.7	20	53.72	29	70.2	16	55.62	40	46.0	2
Mai 10	58.53	31	31.9	17	11.72	55	51.7	17	54.01	30	68.6	17	56.02	42	46.2	7
20	58.84	32	30.2	18	12.27	56	50.0	12	54.31	31	66.9	18	56.44	42	46.9	12
30	59.16	31	28.4	19	12.83	56	48.8	8	54.62	31	65.1	19	56.86	41	48.1	18
Juni 9	59.47	31	26.5	17	13.39	55	48.0	3 —	54.93	31	63.2	19	57.27	40	49.9	22
19	59.78	29	24.8	17	13.94	52	47.7	2	55.24	29	61.3	19	57.67	37	52.1	25
29	60.07	27	23.1	16	14.46	48	47.9	6	55.53	26	59.4	18	58.04	33	54.6	29
Juli 9	60.34	24	21.5	13	14.94	43	48.5	10	55.79	24	57.6	17	58.37	28	57.5	32
19	60.58	20	20.2	12	15.37	37	49.5	14	56.03	20	55.9	15	58.65	23	60.7	33
29	60.78	16	19.0	10	15.74	29	50.9	18	56.23	16	54.4	13	58.88	18	64.0	34
Aug. 8	60.94	12	18.0	7	16.03	21	52.7	21	56.39	12	53.1	11	59.06	11	67.4	34
18	61.06	8	17.3	4	16.24	12	54.8	23	56.51	8	52.0	8	59.17	5 —	70.8	34
28	61.14	3 —	16.9	3	16.36	4 —	57.1	25	56.59	4 —	51.2	7	59.22	1	74.2	32
Sept. 7	61.17	1	16.6	1 —	16.40	5	59.6	25	56.63	1	50.5	4	59.21	7	77.4	30
17	61.16	4	16.5	2	16.35	13	62.1	24	56.62	4	50.1	2	59.14	11	80.4	28
27	61.12	8	16.7	3	16.22	19	64.5	22	56.58	7	49.9	0	59.03	17	83.2	25
Okt. 7	61.04	10	17.0	4	16.03	25	66.7	20	56.51	10	49.9	1	58.86	20	85.7	21
17	60.94	11	17.4	5	15.78	30	68.7	16	56.41	11	50.0	3	58.66	24	87.8	18
27	60.83	13	17.9	6	15.48	32	70.3	13	56.30	12	50.3	4	58.42	26	89.6	12
Nov. 6	60.70	13	18.5	7	15.16	34	71.6	9	56.18	13	50.7	6	58.16	27	90.8	7
16	60.57	12	19.2	6	14.82	33	72.5	3 —	56.05	12	51.3	6	57.89	28	91.5	3 —
26	60.45	12	19.8	7	14.49	32	72.8	2	55.93	12	51.9	7	57.61	27	91.8	3
Dez. 6	60.33	10	20.5	6	14.17	28	72.6	7	55.81	10	52.6	7	57.34	27	91.5	9
16	60.23	8	21.1	6	13.89	25	71.9	12	55.71	9	53.3	8	57.07	24	90.6	13
26	60.15	6	21.7	5	13.64	20	70.7	17	55.62	6	54.1	7	56.83	23	89.3	18
36	60.09		22.2		13.44		69.0		55.56		54.8		56.60		87.5	
Mittl. Ort	58.80		30.0		12.37		66.5		54.29		64.5		56.40		64.2	
	840)				841)				842)				844)			

1908	7 Lacertae. 3m.8. AR.		Dekl. +		η Aquarii. 3m.9. AR.		Dekl. —	
	22h 27m		49° 48′		22h 30m		0° 35′	
Jan. 1	28.22	19	40.7	20	36.04	6	37.6	8
11	28.03	16	38.7	23	35.98	5	38.4	8
21	27.87	12	36.4	25	35.93	2	39.2	6
31	27.75	7	33.9	28	35.91	— 1	39.8	6
Febr. 10	27.68	2	31.1	28	35.92	3	40.4	5
20	27.66	— 5	28.3	31	35.95	7	40.9	2
März 1	[24] 27.71	10	25.2	26	[25] 36.02	10	41.1	0
11	27.81	16	22.6	23	36.12	14	41.1	2
21	27.97	22	20.3	19	36.26	16	40.9	5
31	28.19	27	18.4	14	36.42	20	40.4	8
April 10	28.46	32	17.0	10	36.62	23	39.6	10
20	28.78	35	16.0	4	36.85	26	38.6	13
30	29.13	38	15.6	— 1	37.11	29	37.3	16
Mai 10	29.51	41	15.7	7	37.40	30	35.7	17
20	29.92	41	16.4	12	37.70	31	34.0	18
30	30.33	40	17.6	17	38.01	31	32.2	19
Juni 9	30.73	39	19.3	21	38.32	31	30.3	20
19	31.12	37	21.4	26	38.63	29	28.3	19
29	31.49	33	24.0	28	38.92	27	26.4	19
Juli 9	31.82	29	26.8	31	39.19	25	24.5	18
19	32.11	23	29.9	33	39.44	21	22.7	15
29	32.34	19	33.2	33	39.65	18	21.2	14
Aug. 8	32.53	12	36.5	34	39.83	13	19.8	12
18	32.65	6	39.9	33	39.96	9	18.6	10
28	32.71	1	43.2	32	40.05	5	17.6	7
Sept. 7	32.72	— 5	46.4	30	40.10	0	16.9	5
17	32.67	9	49.4	28	40.10	3	16.4	3
27	32.58	15	52.2	25	40.07	6	16.1	1
Okt. 7	32.43	18	54.7	21	40.01	8	16.0	— 1
17	32.25	21	56.8	17	39.93	11	16.1	2
27	32.04	24	58.5	13	39.82	11	16.3	4
Nov. 6	31.80	25	59.8	8	39.71	13	16.7	5
16	31.55	26	60.6	3	39.58	12	17.2	6
26	31.29	26	60.9	— 3	39.46	11	17.8	7
Dez. 6	31.03	24	60.6	7	39.35	11	18.5	7
16	30.79	23	59.9	13	39.24	9	19.2	8
26	30.56	21	58.6	17	39.15	7	20.0	8
36	30.35		56.9		39.08		20.8	
Mittl. Ort	29.95		33.3		37.76		31.1	
	848)				850)			

1908	10 Lacertae. 4m.9. AR.		Dekl. +		ζ Pegasi. 3m.3. AR.		Dekl. +	
	22h 35m		38° 34′		22h 36m		10° 20′	
Jan. 1	6.26	14	21.1	18	50.77	8	59.7	11
11	6.12	12	19.3	20	50.69	6	58.6	12
21	6.00	8	17.3	23	50.63	4	57.4	12
31	5.92	5	15.0	24	50.59	1	56.2	12
Febr. 10	5.87	0	12.6	24	50.58	— 3	55.0	10
20	5.87	4	10.2	26	50.61	6	54.0	10
März 1	[26] 5.91	9	7.6	21	[27] 50.67	9	53.0	7
11	6.00	14	5.5	19	50.76	12	52.3	3
21	6.14	18	3.6	15	50.88	17	52.0	1
31	6.32	23	2.1	10	51.05	19	51.9	— 2
April 10	6.55	27	1.1	6	51.24	23	52.1	6
20	6.82	30	0.5	1	51.47	26	52.7	9
30	7.12	33	0.4	— 3	51.73	28	53.6	12
Mai 10	7.45	34	0.7	9	52.01	30	54.8	16
20	7.79	36	1.6	14	52.31	30	56.4	17
30	8.15	36	3.0	18	52.61	32	58.1	20
Juni 9	8.51	35	4.8	21	52.93	31	60.1	21
19	8.86	33	6.9	25	53.24	29	62.2	21
29	9.19	30	9.4	27	53.53	28	64.3	22
Juli 9	9.49	27	12.1	30	53.81	25	66.5	22
19	9.76	22	15.1	30	54.06	21	68.7	21
29	9.98	18	18.1	30	54.27	17	70.8	19
Aug. 8	10.16	13	21.1	31	54.44	14	72.7	18
18	10.29	8	24.2	29	54.58	9	74.5	16
28	10.37	3	27.1	28	54.67	5	76.1	14
Sept. 7	10.40	— 1	29.9	26	54.72	1	77.5	12
17	10.39	6	32.5	24	54.73	— 3	78.7	9
27	10.33	10	34.9	20	54.70	6	79.6	6
Okt. 7	10.23	13	36.9	18	54.64	8	80.2	5
17	10.10	15	38.7	13	54.56	11	80.7	2
27	9.95	17	40.0	10	54.45	11	80.9	0
Nov. 6	9.78	19	41.0	6	54.34	13	80.9	3
16	9.59	19	41.6	1	54.21	12	80.6	4
26	9.40	19	41.7	— 4	54.09	13	80.2	6
Dez. 6	9.21	18	41.3	8	53.96	11	79.6	8
16	9.03	17	40.5	12	53.85	10	78.8	10
26	8.86	16	39.3	15	53.75	9	77.8	11
36	8.70		37.8		53.66		76.7	
Mittl. Ort	7.88		16.3		52.39		63.0	
	852)				855)			

1908	β Gruis. 2m.0. AR.		Dekl. −		η Pegasi. 2m.9. AR.		Dekl. +		λ Pegasi. 3m.9. AR.		Dekl. +		ε Gruis. 3m.5. AR.		Dekl. −	
	22h 37m		47° 21′		22h 38m		29° 44′		22h 42m		23° 4′		22h 42m		51° 47′	
Jan. 1	8.25	12	76.8	11	39.69	11	25.7	16	4.33	10	53.1	15	57.62	15	83.4	13
11	8.13	9	75.7	15	39.58	9	24.1	18	4.23	8	51.6	16	57.47	12	82.1	16
21	8.04	6	74.2	18	39.49	7	22.3	20	4.15	5	50.0	17	57.35	7	80.5	20
31	7.98	1	72.4	21	39.42	3	20.3	21	4.10	3	48.3	18	57.28	2	78.5	23
Febr. 10	7.97	—4	70.3	23	39.39	0	18.2	20	4.07	—1	46.5	17	57.26	—2	76.2	26
20	8.01	9	68.0	28	39.39	5	16.2	21	4.08	5	44.8	17	57.28	9	73.6	30
März 1	[27] 8.10	13	65.2	27	[27] 39.44	8	14.1	18	[28] 4.13	8	43.1	14	[28] 57.37	13	70.6	28
11	8.23	18	62.5	27	39.52	13	12.3	14	4.21	12	41.7	11	57.50	18	67.8	30
21	8.41	22	59.8	28	39.65	17	10.9	11	4.33	16	40.6	7	57.68	23	64.8	29
31	8.63	27	57.0	27	39.82	21	9.8	7	4.49	20	39.9	4	57.91	28	61.9	29
April 10	8.90	31	54.3	26	40.03	24	9.1	3	4.69	23	39.5	0	58.19	32	59.0	28
20	9.21	35	51.7	25	40.27	28	8.8	—2	4.92	27	39.5	3	58.51	37	56.2	26
30	9.56	38	49.2	22	40.55	31	9.0	7	5.19	29	39.8	9	58.88	41	53.6	23
Mai 10	9.94	41	47.0	20	40.86	32	9.7	11	5.48	31	40.7	12	59.29	43	51.3	20
20	10.35	42	45.0	18	41.18	33	10.8	15	5.79	32	41.9	16	59.72	45	49.3	17
30	10.77	43	43.2	14	41.51	34	12.3	18	6.11	33	43.5	19	60.17	46	47.6	14
Juni 9	11.20	42	41.8	10	41.85	33	14.1	22	6.44	32	45.4	21	60.63	46	46.2	10
19	11.62	41	40.8	6	42.18	32	16.3	24	6.76	30	47.5	24	61.09	45	45.2	5
29	12.03	39	40.2	1	42.50	29	18.7	26	7.06	28	49.9	25	61.54	42	44.7	1
Juli 9	12.42	36	40.1	—2	42.79	25	21.3	27	7.34	26	52.4	25	61.96	38	44.6	—4
19	12.78	31	40.3	6	43.04	22	24.0	28	7.60	22	54.9	26	62.34	33	45.0	8
29	13.09	25	40.9	11	43.26	18	26.8	27	7.82	18	57.5	25	62.67	29	45.8	12
Aug. 8	13.34	20	42.0	14	43.44	13	29.5	27	8.00	14	60.0	24	62.96	22	47.0	16
18	13.54	14	43.4	16	43.57	9	32.2	26	8.14	9	62.4	22	63.18	15	48.6	19
28	13.68	7	45.0	19	43.66	4	34.8	24	8.23	5	64.6	21	63.33	9	50.5	20
Sept. 7	13.75	2	46.9	20	43.70	0	37.2	22	8.28	1	66.7	19	63.42	2	52.5	21
17	13.77	—5	48.9	21	43.70	4	39.4	20	8.29	—3	68.6	16	63.44	—5	54.7	23
27	13.72	10	51.0	21	43.66	8	41.4	16	8.26	7	70.2	14	63.39	10	57.0	22
Okt. 7	13.62	14	53.1	19	43.58	11	43.0	14	8.19	9	71.6	11	63.29	16	59.2	21
17	13.48	17	55.0	17	43.47	12	44.4	10	8.10	11	72.7	7	63.13	19	61.3	18
27	13.31	20	56.7	15	43.35	15	45.4	7	7.99	13	73.4	5	62.94	22	63.1	16
Nov. 6	13.11	21	58.2	11	43.20	15	46.1	3	7.86	14	73.9	1	62.72	24	64.7	12
16	12.90	22	59.3	8	43.05	16	46.4	0	7.72	15	74.0	—2	62.48	24	65.9	7
26	12.68	21	60.1	3	42.89	16	46.4	4	7.57	14	73.8	5	62.24	24	66.6	4
Dez. 6	12.47	19	60.4	—1	42.73	15	46.0	8	7.43	13	73.3	7	62.00	22	67.0	—2
16	12.28	17	60.3	6	42.58	14	45.2	12	7.30	12	72.6	11	61.78	20	66.8	6
26	12.11	14	59.7	9	42.44	12	44.0	14	7.18	11	71.5	13	61.58	17	66.2	11
36	11.97		58.8		42.32		42.6		7.07		70.2		61.41		65.1	
Mittl. Ort	10.60		57.7		41.28		23.3		5.91		52.6		60.07		63.1	
	856)				857)				859)				860)			

1908	ι Cephei. $3^m.5$. AR.		Dekl. +		λ Aquarii. $3^m.8$. AR.		Dekl. —		ρ Indi. $6^m.3$. AR.		Dekl. —		δ Aquarii. $3^m.2$. AR.		Dekl. —	
	22h 46m		65° 42′		22h 47m		8° 3′		22h 48m		70° 33′		22h 49m		16° 18′	
Jan. 1	22.29 s	39	69.6″	17	47.27 s	8	78.9″	5	12.40 s	37	78.1″	19	44.41 s	8	48.8″	2
11	21.90	35	67.9	22	47.19	6	79.4	4	12.03	30	76.2	24	44.33	6	49.0	0
21	21.55	28	65.7	26	47.13	3	79.8	3	11.73	21	73.8	28	44.27	3	49.0	1
31	21.27	21	63.1	29	47.10	1	80.1	1	11.52	12	71.0	30	44.24	1	48.9	4
Febr. 10	21.06	12	60.2	30	47.09	— 2	80.2	0	11.40	3	68.0	33	44.23	— 2	48.5	5
20	20.94	3	57.2	34	47.11	5	80.2	3	11.37	— 7	64.7	35	44.25	5	48.0	8
März 1	[29] 20.91	— 8	53.8	31	[29] 47.16	9	79.9	5	11.44	19	61.2	39	44.30	9	47.2	11
11	20.99	17	50.7	28	47.25	12	79.4	7	[1] 11.63	28	57.3	35	[1] 44.39	12	46.1	12
21	21.16	26	47.9	25	47.37	16	78.7	9	11.91	37	53.8	34	44.51	16	44.9	14
31	21.42	36	45.4	21	47.53	19	77.8	12	12.28	45	50.4	33	44.67	19	43.5	15
April 10	21.78	43	43.3	17	47.72	22	76.6	14	12.73	54	47.1	30	44.86	22	42.0	18
20	22.21	49	41.6	11	47.94	25	75.2	16	13.27	61	44.1	27	45.08	26	40.2	18
30	22.70	54	40.5	5	48.19	28	73.6	17	13.88	68	41.4	24	45.34	28	38.4	19
Mai 10	23.24	57	40.0	— 1	48.47	29	71.9	19	14.56	72	39.0	20	45.62	30	36.5	20
20	23.81	58	40.1	7	48.76	31	70.0	19	15.28	75	37.0	15	45.92	32	34.5	20
30	24.39	59	40.8	12	49.07	32	68.1	19	16.03	77	35.5	11	46.24	33	32.5	19
Juni 9	24.98	56	42.0	17	49.39	31	66.2	19	16.80	77	34.4	6	46.57	32	30.6	17
19	25.54	53	43.7	23	49.70	31	64.3	18	17.57	75	33.8	— 1	46.89	32	28.9	16
29	26.07	48	46.0	26	50.01	29	62.5	16	18.32	70	33.9	5	47.21	30	27.3	14
Juli 9	26.55	41	48.6	30	50.30	26	60.9	16	19.02	65	34.4	10	47.51	27	25.9	12
19	26.96	35	51.6	33	50.56	23	59.3	13	19.67	57	35.4	15	47.78	24	24.7	9
29	27.31	27	54.9	35	50.79	19	58.0	10	20.24	48	36.9	19	48.02	20	23.8	6
Aug. 8	27.58	18	58.4	36	50.98	15	57.0	8	20.72	37	38.8	22	48.22	16	23.2	4
18	27.76	10	62.0	37	51.13	11	56.2	6	21.09	25	41.0	26	48.38	12	22.8	1
28	27.86	2	65.7	36	51.24	7	55.6	3	21.34	13	43.6	27	48.50	7	22.7	— 2
Sept. 7	27.88	— 7	69.3	35	51.31	3	55.3	1	21.47	0	46.3	28	48.57	3	22.9	4
17	27.81	14	72.8	34	51.34	— 1	55.2	— 2	21.47	11	49.1	28	48.60	— 1	23.3	6
27	27.67	22	76.2	31	51.33	5	55.4	3	21.36	23	51.9	27	48.59	5	23.9	7
Okt. 7	27.45	29	79.3	28	51.28	7	55.7	4	21.13	32	54.6	24	48.54	7	24.6	8
17	27.16	34	82.1	23	51.21	10	56.1	6	20.81	41	57.0	21	48.47	10	25.4	9
27	26.82	39	84.4	20	51.11	10	56.7	6	20.40	48	59.1	17	48.37	11	26.3	9
Nov. 6	26.43	42	86.4	15	51.01	12	57.3	7	19.92	52	60.8	11	48.26	12	27.2	9
16	26.01	45	87.9	9	50.89	12	58.0	7	19.40	52	61.9	6	48.14	13	28.1	8
26	25.56	46	88.8	3	50.77	12	58.7	7	18.88	53	62.5	1	48.01	12	28.9	7
Dez. 6	25.10	46	89.1	— 3	50.65	11	59.4	6	18.35	51	62.6	— 6	47.89	11	29.6	6
16	24.64	45	88.8	8	50.54	9	60.0	6	17.84	47	62.0	11	47.78	10	30.2	4
26	24.19	41	88.0	14	50.45	9	60.6	5	17.37	40	60.9	17	47.68	9	30.6	2
36	23.78		86.6		50.36		61.1		16.97		59.2		47.59		30.8	
Mittl. Ort	24.13		58.9		48.94		69.6		16.13		55.1		46.13		36.9	
	863)				864)				865)				866)			

1908	α Pisc. austr. 1ᵐ.2. AR.		Dekl. −		o Andromed. 3ᵐ.5. AR.		Dekl. +		β Pegasi. 2ᵐ.4. AR.		Dekl. +		α Pegasi. 2ᵐ.4. AR.		Dekl. +	
	22ʰ 52ᵐ		30° 6′		22ʰ 57ᵐ		41° 49′		22ʰ 59ᵐ		27° 34′		23ʰ 0ᵐ		14° 42′	
Jan. 1	32.26	9	51.7	3	39.65	17	58.5	16	17.28	12	62.6	14	9.13	10	34.0	12
11	32.17	7	51.4	6	39.48	15	56.9	19	17.16	10	61.2	16	9.03	8	32.8	12
21	32.10	5	50.8	9	39.33	11	55.0	22	17.06	8	59.6	18	8.95	6	31.6	13
31	32.05	1	49.9	11	39.22	8	52.8	24	16.98	5	57.8	19	8.89	3	30.3	14
Febr. 10	32.04	— 2	48.8	13	39.14	4	50.4	24	16.93	1	55.9	18	8.86	0	28.9	12
20	32.06	5	47.5	16	39.10	0	48.0	24	16.92	— 2	54.1	18	8.86	2	27.7	11
März 1	32.11	10	45.9	20	39.10	6	45.6	25	16.94	7	52.3	18	8.88	7	26.6	10
11	32.21	13	43.9	20	39.16	11	43.1	21	17.01	10	50.5	13	8.95	11	25.6	6
21	32.34	16	41.9	21	39.27	17	41.0	17	17.11	14	49.2	11	9.06	14	25.0	3
31	32.50	21	39.8	22	39.44	21	39.3	13	17.25	19	48.1	6	9.20	18	24.7	0
April 10	32.71	24	37.6	22	39.65	26	38.0	9	17.44	23	47.5	3 —	9.38	21	24.7	3
20	32.95	28	35.4	23	39.91	30	37.1	4 —	17.67	26	47.2	2	9.59	25	25.0	7
30	33.23	30	33.1	22	40.21	33	36.7	1	17.93	29	47.4	6	9.84	27	25.7	10
Mai 10	33.53	33	30.9	21	40.54	35	36.8	7	18.22	31	48.0	10	10.11	30	26.7	14
20	33.86	34	28.8	20	40.89	37	37.5	11	18.53	33	49.0	14	10.41	30	28.1	16
30	34.20	36	26.8	18	41.26	38	38.6	15	18.86	34	50.4	18	10.71	32	29.7	19
Juni 9	34.56	35	25.0	15	41.64	37	40.1	20	19.20	33	52.2	20	11.03	31	31.6	21
19	34.91	35	23.5	12	42.01	35	42.1	23	19.53	32	54.2	23	11.34	31	33.7	22
29	35.26	32	22.3	10	42.36	33	44.4	26	19.85	30	56.5	25	11.65	29	35.9	23
Juli 9	35.58	30	21.3	6	42.69	29	47.0	29	20.15	27	59.0	26	11.94	26	38.2	23
19	35.88	27	20.7	3 —	42.98	26	49.9	30	20.42	23	61.6	27	12.20	24	40.5	22
29	36.15	23	20.4	1	43.24	21	52.9	31	20.65	20	64.3	27	12.44	19	42.7	22
Aug. 8	36.38	18	20.5	4	43.45	16	56.0	31	20.85	16	67.0	26	12.63	16	44.9	20
18	36.56	13	20.9	7	43.61	11	59.1	30	21.01	11	69.6	25	12.79	11	46.9	19
28	36.69	8	21.6	10	43.72	6	62.1	30	21.12	7	72.1	23	12.90	7	48.8	16
Sept. 7	36.77	3 —	22.6	12	43.78	1 —	65.1	28	21.19	2 —	74.4	22	12.97	4 —	50.4	15
17	36.80	1	23.8	14	43.79	3	67.9	26	21.21	1	76.6	19	13.01	1	51.9	12
27	36.79	5	25.2	14	43.76	8	70.5	23	21.20	5	78.5	16	13.00	4	53.1	9
Okt. 7	36.74	8	26.6	14	43.68	11	72.8	20	21.15	8	80.1	14	12.96	7	54.0	7
17	36.66	11	28.0	14	43.57	14	74.8	17	21.07	11	81.5	10	12.89	9	54.7	5
27	36.55	14	29.4	13	43.43	17	76.5	13	20.96	13	82.5	7	12.80	10	55.2	2
Nov. 6	36.41	14	30.7	11	43.26	19	77.8	8	20.83	14	83.2	5	12.70	12	55.4	0
16	36.27	14	31.8	9	43.07	19	78.6	4	20.69	14	83.7	0	12.58	13	55.4	3
26	36.13	15	32.7	6	42.88	20	79.0	0	20.55	15	83.7	3	12.45	12	55.1	5
Dez. 6	35.98	13	33.3	4	42.68	20	79.0	5	20.40	14	83.4	7	12.33	12	54.6	7
16	35.85	12	33.7	1 —	42.48	19	78.5	10	20.26	14	82.7	9	12.21	11	53.9	9
26	35.73	10	33.8	2	42.29	17	77.5	13	20.12	12	81.8	13	12.10	11	53.0	11
36	35.63		33.6		42.12		76.2		20.00		80.5		11.99		51.9	
Mittl. Ort	34.12		35.9		41.15		52.7		18.76		60.8		10.63		36.2	
	867)				869)				870)				871)			

1908	ϑ Gruis. 4ᵐ.2.				c² Aquarii. 3ᵐ.7.			
	AR.		Dekl. −		AR.		Dekl. −	
	23ʰ 1ᵐ		44° 0′		23ʰ 4ᵐ		21° 40′	
Jan. 1	39.91	14	82.6	9	30.87	9	32.9	0
11	39.77	11	81.7	12	30.78	7	32.9	2
21	39.66	7	80.5	15	30.71	5	32.7	4
31	39.59	4	79.0	19	30.66	2	32.3	7
Febr. 10	39.55	0	77.1	21	30.64	0	31.6	9
20	39.55	4	75.0	24	30.64	3	30.7	10
März 1	39.59	9	72.6	28	30.67	8	29.7	15
11	39.68	13	69.8	26	30.75	11	28.2	15
21	39.81	18	67.2	28	30.86	15	26.7	17
31	39.99	23	64.4	28	31.01	18	25.0	19
April 10	40.22	26	61.6	27	31.19	21	23.1	20
20	40.48	31	58.9	26	31.40	26	21.1	21
30	40.79	34	56.3	25	31.66	28	19.0	21
Mai 10	41.13	37	53.8	22	31.94	30	16.9	21
20	41.50	40	51.6	20	32.24	33	14.8	21
30	41.90	40	49.6	17	32.57	33	12.7	19
Juni 9	42.30	41	47.9	14	32.90	33	10.8	18
19	42.71	40	46.5	9	33.23	34	9.0	15
29	43.11	38	45.6	6	33.57	30	7.5	13
Juli 9	43.49	35	45.0	1	33.87	29	6.2	11
19	43.84	32	44.9	3	34.16	26	5.1	7
29	44.16	27	45.2	7	34.42	22	4.4	4
Aug. 8	44.43	22	45.9	11	34.64	18	4.0	1
18	44.65	16	47.0	14	34.82	13	3.9	2
28	44.81	10	48.4	17	34.95	9	4.1	4
Sept. 7	44.91	5	50.1	19	35.04	5	4.5	8
17	44.96	1	52.0	20	35.09	1	5.3	9
27	44.95	6	54.0	20	35.10	4	6.2	10
Okt. 7	44.89	11	56.0	20	35.06	6	7.2	11
17	44.78	14	58.0	18	35.00	9	8.3	11
27	44.64	17	59.8	16	34.91	11	9.4	11
Nov. 6	44.47	18	61.4	14	34.80	13	10.5	10
16	44.29	19	62.8	10	34.67	12	11.5	9
26	44.10	20	63.8	6	34.55	13	12.4	8
Dez. 6	43.90	18	64.4	2	34.42	12	13.2	5
16	43.72	17	64.6	2	34.30	11	13.7	4
26	43.55	15	64.4	7	34.19	10	14.1	1
36	43.40		63.7		34.09		14.2	
Mittl. Ort	41.94		62.9		32.56		19.0	
	872)				873)			

1908	π Cephei. 4ᵐ.5.				Br. 3077. 5ᵐ.8.			
	AR.		Dekl. +		AR.		Dekl. +	
	23ʰ 4ᵐ		74° 53′		23ʰ 8ᵐ		56° 39′	
Jan. 1	56.14	72	36.2	13	49.38	27	46.1	15
11	55.42	65	34.9	19	49.11	25	44.6	19
21	54.77	55	33.0	24	48.86	20	42.7	23
31	54.22	44	30.6	27	48.66	16	40.4	26
Febr. 10	53.78	30	27.9	30	48.50	10	37.8	28
20	53.48	15	24.9	32	48.40	3	35.0	28
März 1	53.33	1	21.7	35	48.37	4	32.2	31
11	53.34	17	18.2	30	48.41	11	29.1	26
21	53.51	33	15.2	28	48.52	19	26.5	24
31	53.84	47	12.4	24	48.71	26	24.1	19
April 10	54.31	59	10.0	20	48.97	32	22.2	15
20	54.90	69	8.0	15	49.29	37	20.7	10
30	55.59	79	6.5	10	49.66	42	19.7	5
Mai 10	56.38	83	5.5	4	50.08	45	19.2	1
20	57.21	86	5.1	3	50.53	47	19.3	6
30	58.07	87	5.4	8	51.00	48	19.9	12
Juni 9	58.94	85	6.2	13	51.48	47	21.1	17
19	59.79	80	7.5	19	51.95	45	22.8	21
29	60.59	74	9.4	24	52.40	42	24.9	26
Juli 9	61.33	65	11.8	28	52.82	37	27.5	28
19	61.98	55	14.6	31	53.19	33	30.3	32
29	62.53	43	17.7	33	53.52	27	33.5	33
Aug. 8	62.96	32	21.0	36	53.79	22	36.8	34
18	63.28	19	24.6	37	54.01	14	40.2	35
28	63.47	6	28.3	38	54.15	8	43.7	35
Sept. 7	63.53	7	32.1	37	54.23	2	47.2	33
17	63.46	19	35.8	36	54.25	4	50.5	32
27	63.27	30	39.4	35	54.21	10	53.7	30
Okt. 7	62.97	42	42.9	31	54.11	15	56.7	27
17	62.55	52	46.0	28	53.96	20	59.4	23
27	62.03	61	48.8	25	53.76	23	61.7	19
Nov. 6	61.42	67	51.3	19	53.53	27	63.6	15
16	60.75	74	53.2	14	53.26	28	65.1	10
26	60.01	77	54.6	8	52.98	30	66.1	4
Dez. 6	59.24	78	55.4	3	52.68	30	66.5	2
16	58.46	78	55.7	5	52.38	30	66.3	6
26	57.68	75	55.2	10	52.08	28	65.7	12
36	56.93		54.2		51.80		64.5	
Mittl. Ort	58.13		24.1		50.89		36.8	
	874)				875)			

1908	γ Tucanae. $3^m.9$. AR.		Dekl. —		γ Sculptoris. $4^m.4$. AR.		Dekl. —		τ Pegasi. $4^m.5$. AR.		Dekl. +	
	$23^h\ 12^m$		$58°\ 44'$		$23^h\ 13^m$		$33°\ 1'$		$23^h\ 16^m$		$23°\ 13'$	
Jan. 1	1.48	24	47.6	13	49.75	11	77.5	3	3.51	12	72.2	13
11	1.24	20	46.3	17	49.64	10	77.2	6	3.39	10	70.9	14
21	1.04	15	44.6	22	49.54	7	76.6	10	3.29	8	69.5	16
31	0.89	9	42.4	25	49.47	4	75.6	13	3.21	6	67.9	16
Febr. 10	0.80	5	39.9	28	49.43	1	74.3	15	3.15	3	66.3	16
20	0.75	2	37.1	30	49.42	3	72.8	18	3.12	1	64.7	15
März 1	0.77	9	34.1	35	49.45	7	71.0	22	3.13	5	63.2	15
11	0.86	14	30.6	33	49.52	10	68.8	22	3.18	8	61.7	11
21	1.00	20	27.3	33	49.62	14	66.6	23	3.26	13	60.6	8
31	1.20	27	24.0	33	49.76	19	64.3	24	3.39	17	59.8	5
April 10	1.47	33	20.7	31	49.95	23	61.9	24	3.56	21	59.3	1
20	1.80	38	17.6	29	50.18	26	59.5	25	3.77	24	59.2	2
30	2.18	43	14.7	27	50.44	29	57.0	24	4.01	27	59.4	7
Mai 10	2.61	47	12.0	24	50.73	32	54.6	23	4.28	30	60.1	11
20	3.08	50	9.6	20	51.05	35	52.3	21	4.58	32	61.2	14
30	3.58	52	7.6	16	51.40	36	50.2	19	4.90	33	62.6	17
Juni 9	4.10	53	6.0	11	51.76	36	48.3	17	5.23	33	64.3	20
19	4.63	52	4.9	6	52.12	36	46.6	14	5.56	32	66.3	22
29	5.15	49	4.3	2	52.38	34	45.2	10	5.88	30	68.5	24
Juli 9	5.64	47	4.1	3	52.82	32	44.2	6	6.18	28	70.9	24
19	6.11	42	4.4	8	53.14	29	43.6	3	6.46	24	73.3	25
29	6.53	37	5.2	13	53.43	25	43.3	1	6.70	21	75.8	25
Aug. 8	6.90	29	6.5	17	53.68	20	43.4	5	6.91	17	78.3	24
18	7.19	22	8.2	20	53.88	16	43.9	8	7.08	13	80.7	23
28	7.41	14	10.2	23	54.04	11	44.7	11	7.21	9	83.0	21
Sept. 7	7.55	7	12.5	25	54.15	6	45.8	13	7.30	5	85.1	20
17	7.62	1	15.0	26	54.21	1	46.1	15	7.35	0	87.1	17
27	7.61	9	17.6	25	54.22	3	48.6	16	7.35	2	88.8	15
Okt. 7	7.52	15	20.1	24	54.19	7	50.2	17	7.33	6	90.3	12
17	7.37	21	22.5	22	54.12	10	51.9	15	7.27	9	91.5	9
27	7.16	26	24.7	19	54.02	13	53.4	15	7.18	10	92.4	6
Nov. 6	6.90	28	26.6	15	53.89	14	54.9	13	7.08	12	93.0	3
16	6.62	30	28.1	10	53.75	15	56.2	11	6.96	13	93.3	0
26	6.32	30	29.1	6	53.60	15	57.3	8	6.83	14	93.3	2
Dez. 6	6.02	30	29.7	0	53.45	14	58.1	5	6.69	13	93.1	6
16	5.72	28	29.7	5	53.31	14	58.6	1	6.56	13	92.5	8
26	5.44	25	29.2	11	53.17	12	58.7	2	6.43	12	91.7	11
36	5.19		28.1		53.05		58.5		6.31		90.6	
Mittl. Ort	3.86		24.8		51.49		60.1		4.91		71.7	
	877)				879)				880)			

1908	4 Cassiopejae. $5^m.5$. AR.		Dekl. +		κ Piscium. $5^m.1$. AR.		Dekl. +		70 Pegasi. $4^m.7$. AR.		Dekl. +	
	$23^h 20^m$		61° 46′		$23^h 22^m$		0° 44′		$23^h 24^m$		12° 14′	
	s		″		s		″		s		″	
Jan. 1	43.33	35	49.7	13	11.54	9	59.5	8	28.67	10	67.0	10
11	42.98	32	48.4	18	11.45	8	58.7	7	28.57	9	66.0	11
21	42.66	28	46.6	23	11.37	6	58.0	7	28.48	7	64.9	11
31	42.38	22	44.3	25	11.31	5	57.3	5	28.41	5	63.8	12
Febr. 10	42.16	16	41.8	28	11.26	1	56.8	5	28.36	3	62.6	10
20	42.00	8	39.0	29	11.25	—1	56.3	2	28.33	0	61.6	9
März 1	41.92	—1	36.1	32	11.26	5	56.1	0	28.33	5	60.7	8
11	[9] 41.93	9	32.9	28	[10] 11.31	8	56.1	2	[10] 28.38	8	59.9	5
21	42.02	17	30.1	26	11.39	11	56.3	4	28.46	11	59.4	2
31	42.19	26	27.5	22	11.50	16	56.7	8	28.57	15	59.2	—1
April 10	42.45	34	25.3	18	11.66	19	57.5	10	28.72	20	59.3	4
20	42.79	39	23.5	13	11.85	23	58.5	12	28.92	23	59.7	8
30	43.18	45	22.2	7	12.08	26	59.7	15	29.15	26	60.5	10
Mai 10	43.63	49	21.5	2	12.34	28	61.2	17	29.41	28	61.5	14
20	44.12	52	21.3	—4	12.62	30	62.9	19	29.69	30	62.9	16
30	44.64	53	21.7	9	12.92	31	64.8	19	29.99	32	64.5	19
Juni 9	45.17	52	22.6	14	13.23	32	66.7	21	30.31	32	66.4	20
19	45.69	50	24.0	20	13.55	30	68.8	20	30.63	31	68.4	21
29	46.19	47	26.0	24	13.85	30	70.8	20	30.94	29	70.5	22
Juli 9	46.66	43	28.4	27	14.15	28	72.8	18	31.23	28	72.7	22
19	47.09	38	31.1	31	14.43	25	74.6	18	31.51	25	74.9	22
29	47.47	31	34.2	33	14.68	21	76.4	15	31.76	21	77.1	20
Aug. 8	47.78	24	37.5	34	14.89	18	77.9	14	31.97	18	79.1	20
18	48.02	18	40.9	36	15.07	14	79.3	11	32.15	14	81.1	17
28	48.20	10	44.5	35	15.21	10	80.4	9	32.29	10	82.8	15
Sept. 7	48.30	3	48.0	36	15.31	6	81.3	6	32.39	6	84.3	13
17	48.33	—4	51.6	33	15.37	2	81.9	4	32.45	2	85.6	12
27	48.29	11	54.9	32	15.39	—2	82.3	2	32.47	—2	86.8	8
Okt. 7	48.18	16	58.1	30	15.37	4	82.5	0	32.45	4	87.6	6
17	48.02	23	61.1	25	15.33	6	82.5	2	32.41	7	88.2	4
27	47.79	27	63.6	22	15.27	9	82.3	3	32.34	8	88.6	2
Nov. 6	47.52	30	65.8	18	15.18	10	82.0	5	32.26	11	88.8	0
16	47.22	34	67.6	12	15.08	11	81.5	5	32.15	11	88.8	3
26	46.88	36	68.8	7	14.97	11	81.0	6	32.04	12	88.5	4
Dez. 6	46.52	37	69.5	2	14.86	11	80.4	7	31.92	11	88.1	7
16	46.15	37	69.7	—5	14.75	11	79.7	8	31.81	11	87.4	7
26	45.78	36	69.2	10	14.64	9	78.9	7	31.70	11	86.7	10
36	45.42		68.2		14.55		78.2		31.59		85.7	
Mittl. Ort	44.78		39.3		12.97		66.6		30.05		70.2	
	882)				884)				885)			

1908	ι Andromedae. $4^m.1$. AR.		Dekl. +		ι Piscium. $4^m.1$. AR.		Dekl. +		γ Cephei. $3^m.3$. AR.		Dekl. +	
	$23^h\ 33^m$		$42°\ 45'$		$23^h\ 35^m$		$5°\ 7'$		$23^h\ 35^m$		$77°\ 6'$	
Jan. 1	35.96	18	37.2	13	11.72	10	33.2	8	32.25	89	80.5	9
11	35.78	18	35.9	16	11.62	9	32.4	9	31.36	83	79.6	14
21	35.60	15	34.3	19	11.53	8	31.5	8	30.53	75	78.2	20
31	35.45	12	32.4	21	11.45	5	30.7	7	29.78	62	76.2	25
Febr. 10	35.33	8	30.3	23	11.40	3	30.0	7	29.16	48	73.7	27
20	35.25	5	28.0	23	11.37	0	29.3	5	28.68	31	71.0	30
März 1	35.20	1	25.7	23	11.37	3	28.8	3	28.37	14	68.0	32
11	35.21	7	23.4	23	11.40	7	28.5	1	28.23	7	64.8	34
21	[13] 35.28	13	21.1	19	[13] 11.47	10	28.4	2	[13] 28.30	25	61.4	29
31	35.41	17	19.2	15	11.57	15	28.6	5	28.55	42	58.5	26
April 10	35.58	22	17.7	11	11.72	18	29.1	8	28.97	58	55.9	23
20	35.80	28	16.6	7	11.90	22	29.9	10	29.55	73	53.6	19
30	36.08	31	15.9	2	12.12	25	30.9	13	30.28	84	51.7	13
Mai 10	36.39	34	15.7	3	12.37	28	32.2	16	31.12	92	50.4	8
20	36.73	37	16.0	8	12.65	29	33.8	17	32.04	99	49.6	2
30	37.10	38	16.8	12	12.94	31	35.5	19	33.03	101	49.4	4
Juni 9	37.48	38	18.0	17	13.25	32	37.4	20	34.04	100	49.8	9
19	37.86	37	19.7	20	13.57	31	39.4	21	35.04	97	50.7	15
29	38.23	36	21.7	24	13.88	30	41.5	21	36.01	92	52.2	20
Juli 9	38.59	33	24.1	26	14.18	28	43.6	20	36.93	83	54.2	24
19	38.92	30	26.7	28	14.46	26	45.6	18	37.76	74	56.6	29
29	39.22	25	29.5	30	14.72	22	47.4	18	38.50	61	59.5	32
Aug. 8	39.47	21	32.5	30	14.94	19	49.2	16	39.11	49	62.7	34
18	39.68	16	35.5	31	15.13	15	50.8	13	39.60	36	66.1	36
28	39.84	11	38.6	30	15.28	11	52.1	12	39.96	21	69.7	38
Sept. 7	39.95	6	41.6	29	15.39	8	53.3	9	40.17	6	73.5	37
17	40.01	2	44.5	27	15.47	3	54.2	7	40.23	8	77.2	38
27	40.03	3	47.2	25	15.50	0	54.9	4	40.15	23	81.0	36
Okt. 7	40.00	7	49.7	22	15.50	3	55.3	2	39.92	37	84.6	34
17	39.93	10	51.9	20	15.47	6	55.5	1	39.55	49	88.0	32
27	39.83	13	53.9	15	15.41	8	55.6	2	39.06	61	91.2	28
Nov. 6	39.70	16	55.4	12	15.33	9	55.4	3	38.45	71	94.0	23
16	39.54	18	56.6	8	15.24	10	55.1	4	37.74	79	96.3	19
26	39.36	19	57.4	3	15.14	11	54.7	6	36.95	87	98.2	13
Dez. 6	39.17	19	57.7	1	15.03	11	54.1	7	36.08	91	99.5	7
16	38.98	20	57.6	5	14.92	11	53.4	7	35.17	92	100.2	1
26	38.78	19	57.1	11	14.81	10	52.7	8	34.25	91	100.3	5
36	38.59		56.0		14.71		51.9		33.34		99.8	
Mittl. Ort	37.25		31.0		13.06		39.1		33.86		67.9	
	891)				892)				893)			

1908	ω^2 Aquarii. $4^m.5$.				41 H. Cephei. $5^m.2$.				Lac. δ Sculptoris. $4^m.4$.			
	AR.		Dekl. —		AR.		Dekl. +		AR.		Dekl. —	
	$23^h 37^m$		15° 2′		$23^h 43^m$		67° 17′		$23^h 44^m$		28° 38′	
Jan. 1	55.72	11	85.9	3	29.00	46	55.6	8	6.64	12	37.8	0
11	55.61	9	86.2	1	28.54	44	54.8	15	6.52	11	37.8	3
21	55.52	7	86.3	0	28.10	40	53.3	20	6.41	9	37.5	6
31	55.45	5	86.3	3	27.70	34	51.3	24	6.32	7	36.9	10
Febr. 10	55.40	3	86.0	4	27.36	26	48.9	27	6.25	4	35.9	12
20	55.37	0	85.6	7	27.10	17	46.2	29	6.21	0	34.7	15
März 1	55.37	3	84.9	10	26.93	8	43.3	30	6.21	2	33.2	17
11	55.40	7	83.9	13	26.85	5	40.3	32	6.23	7	31.5	21
21	14 55.47	11	82.6	14	16 26.90	15	37.1	28	16 6.30	10	29.4	21
31	55.58	14	81.2	16	27.05	25	34.3	25	6.40	15	27.3	24
April 10	55.72	19	79.6	18	27.30	36	31.8	21	6.55	18	24.9	25
20	55.91	21	77.8	19	27.66	43	29.7	17	6.73	23	22.4	24
30	56.12	26	75.9	21	28.09	51	28.0	11	6.96	26	20.0	25
Mai 10	56.38	28	73.8	21	28.60	57	26.9	6	7.22	29	17.5	24
20	56.66	30	71.7	21	29.17	60	26.3	1	7.51	32	15.1	23
30	56.96	31	69.6	21	29.77	63	26.2	6	7.83	34	12.8	22
Juni 9	57.27	33	67.5	20	30.40	63	26.8	10	8.17	35	10.6	19
19	57.60	32	65.5	19	31.03	61	27.8	16	8.52	35	8.7	17
29	57.92	31	63.6	17	31.64	59	29.4	21	8.87	34	7.0	14
Juli 9	58.23	30	61.9	14	32.23	54	31.5	25	9.21	32	5.6	10
19	58.53	27	60.5	11	32.77	48	34.0	28	9.53	30	4.6	7
29	58.80	23	59.4	9	33.25	41	36.8	32	9.83	26	3.9	3
Aug. 8	59.03	21	58.5	6	33.66	34	40.0	34	10.09	22	3.6	1
18	59.24	16	57.9	2	34.00	26	43.4	35	10.31	18	3.7	5
28	59.40	12	57.7	0	34.26	17	46.9	36	10.49	13	4.2	8
Sept. 7	59.52	8	57.7	3	34.43	8	50.5	37	10.62	10	5.0	10
17	59.60	4	58.0	5	34.51	0	54.2	36	10.72	4	6.0	13
27	59.64	0	58.5	7	34.51	8	57.8	34	10.76	1	7.3	15
Okt. 7	59.64	3	59.2	9	34.43	16	61.2	32	10.77	3	8.8	15
17	59.61	6	60.1	9	34.27	23	64.4	30	10.74	7	10.3	16
27	59.55	8	61.0	10	34.04	30	67.4	26	10.67	10	11.9	15
Nov. 6	59.47	10	62.0	10	33.74	35	70.0	21	10.57	11	13.4	14
16	59.37	10	63.0	9	33.39	41	72.1	17	10.46	13	14.8	12
26	59.27	12	63.9	9	32.98	44	73.8	12	10.33	13	16.0	10
Dez. 6	59.15	11	64.8	7	32.54	47	75.0	6	10.20	14	17.0	7
16	59.04	11	65.5	6	32.07	48	75.6	1	10.06	13	17.7	4
26	58.93	11	66.1	4	31.59	48	75.5	6	9.93	12	18.1	2
36	58.82		66.5		31.11		74.9		9.81		18.3	
Mittl. Ort	57.14		73.2		30.30		44.2		8.11		20.8	
	894)				895)				896)			

1908	φ Pegasi. 5ᵐ.4. AR.		Dekl. +		ω Piscium. 3ᵐ.9. AR.		Dekl. +		ε Tucanae. 4ᵐ.5. AR.		Dekl. −	
	$23^h\ 47^m$		18° 36′		$23^h\ 54^m$		6° 21′		$23^h\ 55^m$		66° 4′	
Jan. 1	47.12	12	32.1	9	33.94	11	8.6	8	6.38	39	105.7	11
11	47.00	11	31.2	12	33.83	10	7.8	8	5.99	35	104.6	16
21	46.89	10	30.0	12	33.73	8	7.0	8	5.64	30	103.0	21
31	46.79	7	28.8	13	33.65	6	6.2	8	5.34	25	100.9	25
Febr. 10	46.72	6	27.5	13	33.59	6	5.4	6	5.09	18	98.4	29
20	46.66	2	26.2	12	33.53	3	4.8	5	4.91	10	95.5	31
März 1	46.64	1	25.0	11	33.50	1	4.3	4	4.81	4	92.4	34
11	46.65	6	23.9	9	33.51	5	3.9	2	4.77	5	89.0	40
21	17 46.71	9	23.0	6	19 33.56	9	3.7	2	19 4.82	13	85.0	36
31	46.80	13	22.4	3	33.65	13	3.9	4	4.95	22	81.4	36
April 10	46.93	18	22.1	0	33.78	16	4.3	7	5.17	30	77.8	35
20	47.11	21	22.1	4	33.94	20	5.0	9	5.47	38	74.3	33
30	47.32	26	22.5	8	34.14	24	5.9	13	5.85	45	71.0	31
Mai 10	47.58	28	23.3	10	34.38	27	7.2	15	6.30	51	67.9	28
20	47.86	30	24.3	14	34.65	29	8.7	17	6.81	56	65.1	24
30	48.16	31	25.7	17	34.94	31	10.4	18	7.37	60	62.7	20
Juni 9	48.47	33	27.4	19	35.25	31	12.2	20	7.97	63	60.7	15
19	48.80	32	29.3	21	35.56	32	14.2	21	8.60	63	59.2	10
29	49.12	31	31.4	22	35.88	30	16.3	21	9.23	63	58.2	5
Juli 9	49.43	29	33.6	23	36.18	29	18.4	20	9.86	61	57.7	0
19	49.72	27	35.9	22	36.47	27	20.4	20	10.47	56	57.7	6
29	49.99	23	38.1	23	36.74	24	22.4	18	11.03	51	58.3	12
Aug. 8	50.22	20	40.4	22	36.98	20	24.2	16	11.54	43	59.5	16
18	50.42	16	42.6	21	37.18	17	25.8	15	11.97	35	61.1	21
28	50.58	12	44.7	18	37.35	13	27.3	12	12.32	26	63.2	24
Sept. 7	50.70	9	46.5	17	37.48	9	28.5	10	12.58	16	65.6	26
17	50.79	4	48.2	15	37.57	5	29.5	8	12.74	7	68.2	28
27	50.83	1	49.7	13	37.62	2	30.3	5	12.81	4	71.0	28
Okt. 7	50.84	2	51.0	10	37.64	2	30.8	3	12.77	12	73.8	28
17	50.82	5	52.0	8	37.62	3	31.1	1	12.65	21	76.6	27
27	50.77	8	52.8	5	37.59	6	31.2	1	12.44	28	79.3	23
Nov. 6	50.69	9	53.3	3	37.53	8	31.1	2	12.16	35	81.6	20
16	50.60	11	53.6	0	37.45	10	30.9	3	11.81	38	83.6	15
26	50.49	11	53.6	2	37.35	10	30.6	5	11.43	41	85.1	9
Dez. 6	50.38	12	53.4	5	37.25	11	30.1	6	11.02	42	86.0	4
16	50.26	13	52.9	7	37.14	11	29.5	7	10.60	42	86.4	2
26	50.13	12	52.2	8	37.03	11	28.8	8	10.18	41	86.2	7
36	50.01		51.4		36.92		28.0		9.77		85.5	
Mittl. Ort	48.35		33.5		35.17		14.2		8.42		80.3	
	898)				902)				903)			

Allgemeine Präzession = 50″.258

$$A = t - 0.02526 \sin 2\odot + 0.00293 \sin(\odot + 81^\circ 51') - 0.34212 \sin \Omega + 0.00409 \sin 2\Omega$$
$$[A' = -0.00405 \sin 2☾ + 0.00134 \sin(☾ - 320^\circ 13')]$$

$$B = -0''.5519 \cos 2\odot - 0.0092 \cos(\odot + 281^\circ 21') - 9.2100 \cos \Omega + 0.0895 \cos 2\Omega$$
$$[B' = -0.0884 \cos 2☾]$$

$$C = -20''.47 \cos \odot \cos \varepsilon$$
$$D = -20''.47 \sin \odot$$

$$E = -0''.0031 \sin 2\odot - 0.0422 \sin \Omega + 0.0014 \sin 2\Omega$$

$$a = 46''.0872 + 20''.0462 \sin \alpha \operatorname{tg} \delta \qquad a' = 20''.0462 \cos \alpha$$
$$b = \cos \alpha \operatorname{tg} \delta \qquad b' = -\sin \alpha$$
$$c = \cos \alpha \sec \delta \qquad c' = \operatorname{tg} \varepsilon \cos \delta - \sin \alpha \sin \delta$$
$$d = \sin \alpha \sec \delta \qquad d' = \cos \alpha \sin \delta$$

$\odot$ = wahre Länge der Sonne
Ω = Länge des aufsteigenden Knotens der Mondbahn auf der Ekliptik
☾ = mittlere Länge des Mondes
m, m' = jährliche Eigenbewegung in AR. und Dekl.
t = Zeit seit Anfang des Jahres, in Teilen des Jahres ausgedrückt.

$$\text{Scheinb. AR.} = \text{AR. } 1908.0 + tm + Aa + Bb + Cc + Dd + E + [A'a + B'b]$$
$$\text{Scheinb. Dekl.} = \text{Dekl. } 1908.0 + tm' + Aa' + Bb' + Cc' + Dd' + [A'a' + B'b']$$

Setzt man
$$f = 46''.0872\, A + E \qquad h \sin H = C$$
$$g \cos G = 20''.0462\, A \qquad h \cos H = D$$
$$g \sin G = B \qquad i = C \operatorname{tg} \varepsilon$$
$$[f' = 46''.0872\, A']$$
$$[g' \cos G' = 20''.0462\, A']$$
$$[g' \sin G' = B'],$$
so wird

$$\text{Scheinb. AR.} = \text{AR. } 1908.0 + tm + f + g \sin(G+\alpha) \operatorname{tg} \delta + h \sin(H+\alpha) \sec \delta + [f' + g' \sin(G'+\alpha) \operatorname{tg} \delta]$$
$$\text{Scheinb. Dekl.} = \text{Dekl. } 1908.0 + tm' + g \cos(G+\alpha) + h \cos(H+\alpha) \sin \delta + i \cos \delta + [g' \cos(G'+\alpha)]$$

Korrektion für die tägliche Aberration, wenn Θ die Sternzeit, φ die Polhöhe ist:

$$\Delta\alpha = +0^s.0213 \cos \varphi \cos(\Theta - \alpha) \sec \delta$$
$$\Delta\delta = +0''.320 \cos \varphi \sin(\Theta - \alpha) \sin \delta.$$

Konstanten für die Sternzeitepochen

$18^h\ 40^m$ des Normalmeridians oder $1^h\ 35^m$ Berlin,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

Datum in Mittl. Zeit			t	log. A	log. B	log. C	log. D	E
1908	Jan.	1.29	0.000	9.5113_n	0.4386	0.5116_n	1.3045	—0.04
		11.26	0.027	9.4620_n	0.4089	0.8103_n	1.2838	0.04
		21.23	0.055	9.4099_n	0.3673	0.9763_n	1.2474	0.04
		31.21	0.082	9.3558_n	0.3142	1.0855_n	1.1927	0.04
	Febr.	10.18	0.109	9.3009_n	0.2511	1.1612_n	1.1144	0.04
		20.15	0.137	9.2457_n	0.1812	1.2138_n	1.0022	—0.04
	März	1.12	0.164	9.1899_n	0.1098	1.2483_n	0.8320	0.04
		11.10	0.191	9.1321_n	0.0454	1.2678_n	0.5242	0.04
		21.07	0.218	9.0691_n	9.9979	1.2737_n	9.2717_n	0.04
		31.04	0.246	8.9951_n	9.9755	1.2665_n	0.5673_n	0.04
	April	10.02	0.273	8.9005_n	9.9802	1.2461_n	0.8494_n	—0.04
		19.99	0.300	8.7654_n	0.0057	1.2114_n	1.0095_n	0.05
		29.96	0.328	8.5382_n	0.0422	1.1601_n	1.1161_n	0.05
	Mai	9.93	0.355	7.9042_n	0.0798	1.0879_n	1.1910_n	0.05
		19.91	0.382	8.3274	0.1111	0.9864_n	1.2439_n	0.04
		29.88	0.410	8.7240	0.1310	0.8377_n	1.2798_n	—0.04
	Juni	8.85	0.437	8.9373	0.1362	0.5899_n	1.3016_n	0.04
		18.82	0.464	9.0836	0.1235	9.9007_n	1.3107_n	0.04
		28.80	0.491	9.1936	0.0898	0.3647	1.3078_n	0.04
	Juli	8.77	0.519	9.2798	0.0303	0.7293	1.2927_n	0.04
		18.74	0.546	9.3488	9.9367	0.9171	1.2644_n	—0.04
		28.72	0.573	9.4048	9.7922	1.0390	1.2211_n	0.04
	Aug.	7.69	0.601	9.4504	9.5505	1.1245	1.1593_n	0.04
		17.66	0.628	9.4879	8.9576	1.1857	1.0724_n	0.04
		27.63	0.655	9.5190	9.1872_n	1.2287	0.9472_n	0.04
	Sept.	6.61	0.683	9.5454	9.5567_n	1.2566	0.7507_n	—0.04
		16.58	0.710	9.5686	9.7110_n	1.2711	0.3489_n	0.04
		26.55	0.737	9.5900	9.7828_n	1.2729	0.0967	0.04
	Okt.	6.52	0.765	9.6109	9.8030_n	1.2618	0.6734	0.04
		16.50	0.792	9.6322	9.7827_n	1.2371	0.9064	0.04
		26.47	0.819	9.6547	9.7255_n	1.1967	1.0486	—0.04
	Nov.	5.44	0.846	9.6787	9.6328_n	1.1371	1.1457	0.04
		15.41	0.874	9.7041	9.5080_n	1.0518	1.2142	0.04
		25.39	0.901	9.7306	9.3675_n	0.9276	1.2618	0.04
	Dez.	5.36	0.928	9.7576	9.2648_n	0.7317	1.2925	0.04
		15.33	0.956	9.7843	9.2831_n	0.3304	1.3083	—0.04
		25.31	0.983	9.8099	9.4260_n	0.0732_n	1.3103	0.04
		35.28	1.010	9.8339	9.6125_n	0.6506_n	1.2984	0.04

Konstanten für die mittleren Tage 1908,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12h Mittl. Zeit	f	log. g	G	log. h	H	log. i	☾
Jan. 1	−14.97	0.8481	157° 6′	1.3100	350° 39′	0.1580n	716
2	14.81	0.8436	157 0	1.3098	349 43	0.1990n	753
3	14.64	0.8391	156 53	1.3096	348 46	0.2364n	789
4	14.48	0.8345	156 47	1.3093	347 50	0.2706n	826
5	14.31	0.8299	156 41	1.3090	346 53	0.3022n	863
6	−14.15	0.8253	156 35	1.3087	345 56	0.3315n	900
7	13.99	0.8206	156 30	1.3084	344 59	0.3589n	936
8	13.83	0.8159	156 25	1.3081	344 2	0.3845n	973
9	13.67	0.8111	156 20	1.3077	343 5	0.4085n	009
10	13.51	0.8063	156 15	1.3073	342 8	0.4312n	046
11	−13.36	0.8015	156 10	1.3069	341 11	0.4526n	083
12	13.20	0.7966	156 6	1.3065	340 14	0.4728n	119
13	13.04	0.7917	156 2	1.3060	339 17	0.4920n	156
14	12.88	0.7868	155 58	1.3056	338 19	0.5103n	192
15	12.73	0.7818	155 55	1.3051	337 22	0.5277n	229
16	−12.58	0.7767	155 51	1.3046	336 24	0.5443n	266
17	12.43	0.7716	155 48	1.3041	335 26	0.5602n	302
18	12.28	0.7664	155 45	1.3036	334 28	0.5753n	339
19	12.13	0.7612	155 43	1.3031	333 30	0.5898n	375
20	11.98	0.7560	155 41	1.3026	332 32	0.6037n	412
21	−11.84	0.7507	155 39	1.3020	331 34	0.6170n	449
22	11.69	0.7454	155 38	1.3015	330 35	0.6298n	485
23	11.55	0.7401	155 37	1.3009	329 37	0.6421n	522
24	11.41	0.7348	155 36	1.3003	328 38	0.6540n	558
25	11.27	0.7294	155 36	1.2997	327 39	0.6654n	595
26	−11.13	0.7240	155 35	1.2991	326 40	0.6764n	632
27	10.99	0.7186	155 35	1.2985	325 41	0.6869n	668
28	10.85	0.7131	155 36	1.2979	324 41	0.6971n	705
29	10.72	0.7076	155 36	1.2972	323 42	0.7069n	741
30	10.58	0.7021	155 37	1.2966	322 42	0.7163n	778
31	−10.45	0.6966	155 38	1.2959	321 42	0.7254n	815
Febr. 1	10.32	0.6910	155 39	1.2953	320 42	0.7342n	851
2	10.19	0.6854	155 40	1.2946	319 42	0.7426n	888
3	10.06	0.6798	155 42	1.2940	318 42	0.7508n	924
4	9.94	0.6742	155 44	1.2933	317 41	0.7587n	961
5	−9.81	0.6686	155 46	1.2927	316 41	0.7664n	998
6	9.69	0.6629	155 49	1.2920	315 40	0.7737n	034
7	9.57	0.6573	155 52	1.2914	314 39	0.7807n	071

Konstanten für die mittleren Tage 1908,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12h Mittl. Zeit	f	log. g	G	log. h	H	log. i	☾
Febr. 7	−9.57	0.6573	155° 52′	1.2914	314° 39′	0.7807_n	071
8	9.45	0.6516	155 55	1.2907	313 38	0.7876_n	107
9	9.33	0.6459	155 58	1.2900	312 37	0.7942_n	144
10	9.21	0.6402	156 2	1.2894	311 35	0.8005_n	181
11	9.09	0.6345	156 5	1.2887	310 33	0.8067_n	217
12	−8.98	0.6288	156 9	1.2881	309 32	0.8126_n	254
13	8.87	0.6231	156 13	1.2874	308 30	0.8183_n	290
14	8.76	0.6173	156 18	1.2868	307 28	0.8238_n	327
15	8.65	0.6115	156 22	1.2861	306 25	0.8291_n	364
16	8.54	0.6057	156 27	1.2855	305 23	0.8342_n	400
17	−8.43	0.5999	156 32	1.2849	304 20	0.8391_n	437
18	8.33	0.5941	156 37	1.2843	303 18	0.8437_n	473
19	8.22	0.5883	156 42	1.2837	302 15	0.8482_n	510
20	8.12	0.5825	156 47	1.2831	301 12	0.8525_n	547
21	8.01	0.5767	156 51	1.2825	300 9	0.8567_n	583
22	−7.91	0.5709	156 56	1.2820	299 5	0.8608_n	620
23	7.81	0.5651	157 0	1.2815	298 2	0.8646_n	656
24	7.71	0.5593	157 4	1.2809	296 58	0.8682_n	693
25	7.61	0.5535	157 9	1.2804	295 55	0.8717_n	730
26	7.52	0.5476	157 13	1.2799	294 51	0.8750_n	766
27	−7.42	0.5418	157 17	1.2794	293 47	0.8781_n	803
28	7.33	0.5359	157 21	1.2789	292 43	0.8811_n	839
29	7.23	0.5301	157 25	1.2784	291 39	0.8840_n	876
März 1	7.14	0.5242	157 29	1.2780	290 35	0.8867_n	913
2	7.05	0.5184	157 33	1.2776	289 31	0.8892_n	949
3	−6.96	0.5125	157 36	1.2772	288 26	0.8916_n	986
4	6.87	0.5066	157 39	1.2768	287 21	0.8938_n	022
5	6.78	0.5007	157 41	1.2764	286 16	0.8959_n	059
6	6.69	0.4948	157 43	1.2760	285 12	0.8978_n	096
7	6.60	0.4889	157 45	1.2757	284 7	0.8996_n	132
8	−6.51	0.4830	157 46	1.2754	283 2	0.9013_n	169
9	6.43	0.4770	157 46	1.2752	281 57	0.9029_n	205
10	6.34	0.4711	157 46	1.2749	280 52	0.9043_n	242
11	6.25	0.4651	157 46	1.2747	279 47	0.9055_n	279
12	6.16	0.4591	157 45	1.2745	278 43	0.9067_n	315
13	−6.08	0.4531	157 44	1.2743	277 38	0.9077_n	352
14	5.99	0.4471	157 42	1.2741	276 33	0.9086_n	388
15	5.91	0.4411	157 38	1.2740	275 28	0.9093_n	425

Konstanten für die mittleren Tage 1908,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12h Mittl. Zeit	f	log. g	G	log. h	H	log i	☾
März 15	−5.91″	0.4411	157° 38′	1.2740	275° 28′	0.9093_n	425
16	5.82	0.4351	157 33	1.2739	274 23	0.9099_n	462
17	5.74	0.4290	157 28	1.2738	273 18	0.9104_n	498
18	5.66	0.4229	157 22	1.2738	272 13	0.9107_n	535
19	5.58	0.4167	157 15	1.2737	271 8	0.9109_n	571
20	−5.50	0.4105	157 7	1.2737	270 3	0.9110_n	608
21	5.41	0.4042	156 59	1.2737	268 58	0.9109_n	645
22	5.33	0.3979	156 49	1.2738	267 53	0.9107_n	681
23	5.24	0.3915	156 39	1.2738	266 48	0.9104_n	718
24	5.16	0.3851	156 27	1.2739	265 43	0.9099_n	754
25	−5.07	0.3786	156 13	1.2740	264 39	0.9093_n	791
26	4.99	0.3720	155 58	1.2741	263 34	0.9086_n	828
27	4.90	0.3654	155 41	1.2743	262 30	0.9078_n	864
28	4.82	0.3587	155 23	1.2745	261 25	0.9069_n	901
29	4.73	0.3520	155 4	1.2747	260 21	0.9058_n	937
30	−4.65	0.3452	154 43	1.2749	259 17	0.9045_n	974
31	4.56	0.3384	154 20	1.2751	258 13	0.9031_n	011
April 1	4.47	0.3315	153 55	1.2753	257 9	0.9016_n	047
2	4.38	0.3245	153 28	1.2756	256 5	0.9000_n	084
3	4.30	0.3174	152 59	1.2759	255 1	0.8983_n	120
4	−4.21	0.3102	152 29	1.2762	253 57	0.8964_n	157
5	4.12	0.3029	151 57	1.2765	252 54	0.8944_n	194
6	4.03	0.2956	151 22	1.2769	251 50	0.8922_n	230
7	3.94	0.2881	150 45	1.2773	250 47	0.8899_n	267
8	3.85	0.2806	150 6	1.2777	249 44	0.8874_n	303
9	−3.76	0.2730	149 24	1.2781	248 41	0.8848_n	340
10	3.66	0.2654	148 40	1.2786	247 38	0.8820_n	377
11	3.57	0.2577	147 53	1.2791	246 36	0.8791_n	413
12	3.47	0.2499	147 3	1.2796	245 33	0.8761_n	450
13	3.38	0.2420	146 10	1.2801	244 31	0.8730_n	486
14	−3.28	0.2340	145 14	1.2806	243 29	0.8696_n	523
15	3.18	0.2260	144 15	1.2811	242 27	0.8661_n	560
16	3.08	0.2179	143 12	1.2817	241 25	0.8625_n	596
17	2.98	0.2098	142 6	1.2822	240 24	0.8587_n	633
18	2.88	0.2017	140 55	1.2828	239 23	0.8548_n	669
19	−2.78	0.1936	139 40	1.2834	238 22	0.8508_n	706
20	2.67	0.1854	138 21	1.2840	237 21	0.8466_n	743
21	2.57	0.1772	136 58	1.2845	236 20	0.8421_n	779

Konstanten für die mittleren Tage 1908,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12^h Mittl. Zeit	f	log. g	G	log. h	H	log. i	☾
April 21	−2.57	0.1772	136° 58′	1.2845	236° 20′	0.8421$_n$	779
22	2.46	0.1691	135 30	1.2851	235 19	0.8375$_n$	816
23	2.36	0.1611	133 57	1.2857	234 19	0.8327$_n$	852
24	2.25	0.1532	132 20	1.2863	233 19	0.8278$_n$	889
25	2.14	0.1456	130 38	1.2869	232 19	0.8226$_n$	926
26	−2.03	0.1381	128 51	1.2875	231 19	0.8173$_n$	962
27	1.92	0.1308	126 59	1.2881	230 19	0.8118$_n$	999
28	1.81	0.1239	125 3	1.2888	229 20	0.8061$_n$	035
29	1.69	0.1174	123 1	1.2894	228 21	0.8002$_n$	072
30	1.57	0.1112	120 55	1.2900	227 22	0.7941$_n$	109
Mai 1	−1.46	0.1053	118 44	1.2906	226 23	0.7877$_n$	145
2	1.34	0.1000	116 28	1.2913	225 25	0.7812$_n$	182
3	1.22	0.0954	114 8	1.2919	224 26	0.7745$_n$	218
4	1.10	0.0914	111 43	1.2925	223 28	0.7675$_n$	255
5	0.98	0.0882	109 13	1.2931	222 30	0.7603$_n$	292
6	−0.85	0.0857	106 40	1.2938	221 33	0.7528$_n$	328
7	0.73	0.0840	104 3	1.2944	220 35	0.7451$_n$	365
8	0.60	0.0831	101 24	1.2950	219 38	0.7371$_n$	401
9	0.47	0.0832	98 44	1.2956	218 41	0.7289$_n$	438
10	0.34	0.0843	96 3	1.2963	217 44	0.7204$_n$	475
11	−0.21	0.0862	93 21	1.2969	216 47	0.7115$_n$	511
12	−0.08	0.0890	90 39	1.2975	215 50	0.7023$_n$	548
13	+0.05	0.0926	87 57	1.2981	214 54	0.6928$_n$	584
14	0.19	0.0970	85 16	1.2987	213 58	0.6830$_n$	621
15	0.32	0.1022	82 38	1.2993	213 2	0.6729$_n$	658
16	+0.46	0.1081	80 3	1.2999	212 6	0.6624$_n$	694
17	0.60	0.1148	77 31	1.3005	211 10	0.6516$_n$	731
18	0.74	0.1221	75 2	1.3010	210 14	0.6403$_n$	767
19	0.88	0.1300	72 38	1.3016	209 19	0.6286$_n$	804
20	1.02	0.1386	70 17	1.3021	208 24	0.6164$_n$	841
21	+1.16	0.1477	68 0	1.3026	207 28	0.6038$_n$	877
22	1.31	0.1573	65 48	1.3031	206 33	0.5907$_n$	914
23	1.45	0.1672	63 40	1.3036	205 39	0.5771$_n$	950
24	1.60	0.1774	61 36	1.3041	204 44	0.5629$_n$	987
25	1.74	0.1878	59 37	1.3046	203 49	0.5481$_n$	024
26	+1.89	0.1985	57 43	1.3050	202 55	0.5326$_n$	060
27	2.04	0.2094	55 54	1.3055	202 1	0.5165$_n$	097
28	2.19	0.2203	54 9	1.3059	201 7	0.4996$_n$	133

Konstanten für die mittleren Tage 1908,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12h Mittl. Zeit		f	log. g	G	log. h	H	log. i	☾
Mai	28	+2.19″	0.2203	54° 9′	1.3059	201° 7′	0.4996_n	133
	29	2.34	0.2313	52 28	1.3063	200 13	0.4819_n	170
	30	2.49	0.2423	50 51	1.3067	199 19	0.4634_n	207
	31	2.64	0.2533	49 17	1.3071	198 25	0.4438_n	243
Juni	1	2.80	0.2644	47 47	1.3074	197 32	0.4233_n	280
	2	+2.95	0.2755	46 20	1.3078	196 38	0.4016_n	316
	3	3.11	0.2865	44 56	1.3081	195 44	0.3787_n	353
	4	3.26	0.2975	43 36	1.3084	194 51	0.3543_n	390
	5	3.42	0.3084	42 18	1.3087	193 58	0.3284_n	426
	6	3.57	0.3192	41 3	1.3090	193 5	0.3007_n	463
	7	+3.73	0.3299	39 50	1.3093	192 12	0.2710_n	499
	8	3.89	0.3406	38 40	1.3096	191 19	0.2390_n	536
	9	4.05	0.3511	37 32	1.3098	190 26	0.2043_n	573
	10	4.20	0.3615	36 27	1.3100	189 33	0.1665_n	609
	11	4.36	0.3718	35 24	1.3102	188 40	0.1250_n	646
	12	+4.52	0.3819	34 23	1.3104	187 47	0.0789_n	682
	13	4.69	0.3919	33 24	1.3105	186 54	0.0273_n	719
	14	4.85	0.4017	32 27	1.3107	186 1	9.9685_n	756
	15	5.01	0.4114	31 32	1.3108	185 8	9.9004_n	792
	16	5.17	0.4209	30 39	1.3109	184 16	9.8194_n	829
	17	+5.33	0.4303	29 47	1.3110	183 24	9.7197_n	865
	18	5.49	0.4396	28 57	1.3110	182 31	9.5900_n	902
	19	5.65	0.4487	28 8	1.3111	181 38	9.4040_n	939
	20	5.81	0.4577	27 20	1.3111	180 46	9.0715_n	975
	21	5.98	0.4665	26 34	1.3111	179 53	8.2504	012
	22	+6.14	0.4752	25 49	1.3111	179 1	9.1858	048
	23	6.30	0.4838	25 4	1.3111	178 8	9.4608	085
	24	6.46	0.4922	24 20	1.3110	177 16	9.6278	122
	25	6.62	0.5005	23 38	1.3110	176 23	9.7480	158
	26	6.78	0.5087	22 57	1.3109	175 31	9.8420	195
	27	+6.95	0.5167	22 17	1.3108	174 38	9.9191	231
	28	7.11	0.5246	21 38	1.3107	173 46	9.9844	268
	29	7.27	0.5324	21 0	1.3105	172 53	0.0410	305
	30	7.43	0.5400	20 23	1.3103	172 1	0.0911	341
Juli	1	7.59	0.5475	19 47	1.3101	171 8	0.1358	378
	2	+7.75	0.5549	19 11	1.3099	170 15	0.1762	414
	3	7.91	0.5622	18 36	1.3097	169 22	0.2131	451
	4	8.07	0.5694	18 2	1.3095	168 29	0.2470	488

Konstanten für die mittleren Tage 1908,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12h Mittl. Zeit		*f*	log. *g*	*G*	log. *h*	*H*	log. *i*	☾
Juli	4	+ 8.07	0.5694	18 2	1.3095	168 29	0.2470	488
	5	8.23	0.5764	17 28	1.3092	167 36	0.2783	524
	6	8.39	0.5832	16 55	1.3089	166 43	0.3074	561
	7	8.54	0.5900	16 22	1.3086	165 50	0.3346	597
	8	8.70	0.5966	15 50	1.3083	164 57	0.3600	634
	9	+ 8.85	0.6032	15 19	1.3080	164 4	0.3839	671
	10	9.01	0.6096	14 48	1.3077	163 11	0.4065	707
	11	9.16	0.6160	14 18	1.3073	162 18	0.4279	744
	12	9.32	0.6222	13 48	1.3070	161 24	0.4481	780
	13	9.47	0.6284	13 19	1.3066	160 31	0.4673	817
	14	+ 9.62	0.6344	12 50	1.3062	159 37	0.4856	854
	15	9.77	0.6404	12 22	1.3058	158 43	0.5030	890
	16	9.92	0.6463	11 55	1.3054	157 49	0.5197	927
	17	10.07	0.6520	11 28	1.3049	156 55	0.5356	963
	18	10.22	0.6576	11 2	1.3045	156 1	0.5508	000
	19	+10.36	0.6631	10 36	1.3040	155 7	0.5654	037
	20	10.51	0.6685	10 11	1.3035	154 13	0.5794	073
	21	10.65	0.6738	9 46	1.3030	153 18	0.5929	110
	22	10.80	0.6791	9 21	1.3025	152 24	0.6058	146
	23	10.94	0.6843	8 57	1.3020	151 29	0.6183	183
	24	+11.08	0.6894	8 33	1.3015	150 34	0.6303	220
	25	11.22	0.6944	8 9	1.3009	149 39	0.6418	256
	26	11.36	0.6994	7 46	1.3004	148 44	0.6529	293
	27	11.50	0.7043	7 23	1.2998	147 49	0.6637	329
	28	11.64	0.7091	7 1	1.2993	146 53	0.6741	366
	29	+11.77	0.7138	6 39	1.2987	145 57	0.6841	403
	30	11.91	0.7185	6 18	1.2981	145 1	0.6938	439
	31	12.04	0.7230	5 57	1.2975	144 5	0.7032	476
Aug.	1	12.17	0.7274	5 36	1.2969	143 9	0.7122	512
	2	12.30	0.7317	5 16	1.2963	142 13	0.7209	549
	3	+12.43	0.7360	4 56	1.2957	141 16	0.7293	586
	4	12.56	0.7402	4 36	1.2951	140 20	0.7375	622
	5	12.69	0.7444	4 17	1.2945	139 23	0.7454	659
	6	12.81	0.7485	3 58	1.2938	138 26	0.7530	695
	7	12.94	0.7525	3 39	1.2932	137 29	0.7604	732
	8	+13.06	0.7565	3 21	1.2926	136 31	0.7676	769
	9	13.18	0.7604	3 3	1.2920	135 33	0.7745	805
	10	13.30	0.7643	2 46	1.2913	134 36	0.7812	842

Konstanten für die mittleren Tage 1908,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12h Mittl. Zeit	f	log. g	G	log. h	H	log. i	☾
Aug. 10	+13.30″	0.7643	2° 46′	1.2913	134° 36′	0.7812	842
11	13.42	0.7681	2 29	1.2906	133 38	0.7877	878
12	13.54	0.7719	2 12	1.2900	132 40	0.7939	915
13	13.66	0.7755	1 55	1.2894	131 41	0.8000	952
14	13.77	0.7791	1 39	1.2888	130 43	0.8058	988
15	+13.89	0.7826	1 23	1.2881	129 44	0.8114	025
16	14.00	0.7861	1 8	1.2875	128 45	0.8169	061
17	14.11	0.7895	0 53	1.2869	127 46	0.8222	098
18	14.22	0.7928	0 38	1.2863	126 47	0.8273	135
19	14.33	0.7961	0 23	1.2857	125 47	0.8322	171
20	+14.44	0.7994	0 9	1.2851	124 48	0.8369	208
21	14.55	0.8026	359 55	1.2845	123 48	0.8415	244
22	14.65	0.8058	359 42	1.2840	122 48	0.8459	281
23	14.76	0.8089	359 29	1.2834	121 48	0.8501	318
24	14.87	0.8119	359 17	1.2829	120 47	0.8542	354
25	+14.97	0.8149	359 5	1.2823	119 47	0.8581	391
26	15.07	0.8179	358 54	1.2818	118 46	0.8619	427
27	15.17	0.8208	358 42	1.2813	117 45	0.8655	464
28	15.27	0.8237	358 31	1.2808	116 44	0.8690	501
29	15.37	0.8265	358 20	1.2803	115 43	0.8723	537
30	+15.47	0.8293	358 9	1.2798	114 41	0.8755	574
31	15.57	0.8321	357 59	1.2793	113 39	0.8785	610
Sept. 1	15.66	0.8348	357 49	1.2788	112 37	0.8814	647
2	15.76	0.8375	357 40	1.2783	111 36	0.8841	684
3	15.85	0.8401	357 31	1.2779	110 34	0.8867	720
4	+15.95	0.8427	357 22	1.2775	109 31	0.8891	757
5	16.04	0.8453	357 14	1.2771	108 29	0.8914	793
6	16.13	0.8478	357 6	1.2767	107 26	0.8936	830
7	16.22	0.8503	356 59	1.2764	106 24	0.8957	867
8	16.31	0.8528	356 51	1.2761	105 21	0.8976	903
9	+16.40	0.8552	356 44	1.2758	104 18	0.8994	940
10	16.49	0.8576	356 37	1.2755	103 15	0.9011	976
11	16.58	0.8599	356 30	1.2752	102 12	0.9026	013
12	16.67	0.8623	356 24	1.2749	101 8	0.9040	050
13	16.76	0.8646	356 18	1.2747	100 5	0.9053	086
14	+16.85	0.8669	356 13	1.2745	99 2	0.9064	123
15	16.93	0.8692	356 8	1.2743	97 58	0.9074	159
16	17.02	0.8715	356 3	1.2741	96 54	0.9083	196

Konstanten für die mittleren Tage 1908,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12^h Mittl. Zeit	*f*	log. *g*	*G*	log. *h*	*H*	log. *i*	☾
Sept. 16	+17.02	0.8715	356° 3'	1.2741	96° 54'	0.9083	196
17	17.11	0.8737	355 59	1.2740	95 51	0.9091	233
18	17.20	0.8760	355 55	1.2739	94 47	0.9097	269
19	17.28	0.8782	355 51	1.2738	93 43	0.9102	306
20	17.37	0.8804	355 47	1.2738	92 39	0.9106	342
21	+17.46	0.8826	355 44	1.2737	91 35	0.9109	379
22	17.55	0.8847	355 41	1.2737	90 31	0.9110	416
23	17.63	0.8869	355 39	1.2737	89 27	0.9110	452
24	17.72	0.8891	355 37	1.2737	88 23	0.9109	489
25	17.80	0.8912	355 35	1.2738	87 19	0.9106	525
26	+17.89	0.8933	355 33	1.2738	86 15	0.9102	562
27	17.97	0.8954	355 32	1.2739	85 11	0.9097	599
28	18.06	0.8975	355 31	1.2740	84 6	0.9091	635
29	18.15	0.8996	355 30	1.2742	83 2	0.9083	672
30	18.23	0.9017	355 30	1.2743	81 58	0.9074	708
Okt. 1	+18.32	0.9038	355 30	1.2745	80 54	0.9064	745
2	18.41	0.9059	355 30	1.2747	79 50	0.9052	782
3	18.50	0.9080	355 30	1.2750	78 46	0.9039	818
4	18.59	0.9101	355 31	1.2753	77 42	0.9025	855
5	18.68	0.9121	355 32	1.2756	76 38	0.9009	891
6	+18.77	0.9142	355 33	1.2759	75 34	0.8992	928
7	18.86	0.9163	355 35	1.2762	74 30	0.8974	965
8	18.95	0.9184	355 36	1.2765	73 26	0.8954	001
9	19.04	0.9205	355 38	1.2769	72 22	0.8933	038
10	19.13	0.9226	355 40	1.2773	71 19	0.8910	074
11	+19.23	0.9247	355 43	1.2777	70 15	0.8886	111
12	19.32	0.9268	355 46	1.2781	69 11	0.8860	148
13	19.42	0.9289	355 49	1.2785	68 8	0.8833	184
14	19.52	0.9310	355 52	1.2789	67 4	0.8805	221
15	19.62	0.9332	355 55	1.2794	66 1	0.8775	257
16	+19.72	0.9353	355 58	1.2799	64 58	0.8744	294
17	19.82	0.9375	356 2	1.2804	63 55	0.8711	331
18	19.92	0.9396	356 5	1.2809	62 52	0.8676	367
19	20.02	0.9418	356 9	1.2815	61 49	0.8640	404
20	20.12	0.9440	356 12	1.2820	60 47	0.8602	440
21	+20.23	0.9462	356 16	1.2826	59 44	0.8562	477
22	20.33	0.9484	356 20	1.2831	58 42	0.8521	514
23	20.44	0.9507	356 25	1.2837	57 40	0.8478	550

Konstanten für die mittleren Tage 1908,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12h Mittl. Zeit	f	log. g	G	log. h	H	log. i	☾
Okt. 23	+20.44	0.9507	356° 25′	1.2837	57° 40′	0.8478	550
24	20.55	0.9529	356 29	1.2843	56 38	0.8433	587
25	20.66	0.9552	356 34	1.2849	55 35	0.8387	623
26	20.77	0.9575	356 38	1.2855	54 33	0.8338	660
27	20.88	0.9598	356 43	1.2861	53 31	0.8288	697
28	+20.99	0.9621	356 48	1.2867	52 30	0.8235	733
29	21.11	0.9645	356 53	1.2874	51 28	0.8181	770
30	21.22	0.9668	356 57	1.2880	50 27	0.8125	806
31	21.34	0.9692	357 2	1.2887	49 26	0.8066	843
Nov. 1	21.46	0.9716	357 7	1.2893	48 25	0.8005	880
2	+21.58	0.9740	357 12	1.2900	47 24	0.7942	916
3	21.70	0.9764	357 17	1.2906	46 23	0.7877	953
4	21.83	0.9789	357 21	1.2913	45 23	0.7810	989
5	21.95	0.9813	357 26	1.2920	44 22	0.7740	026
6	22.08	0.9838	357 31	1.2927	43 22	0.7667	063
7	+22.21	0.9863	357 36	1.2933	42 22	0.7592	099
8	22.34	0.9888	357 40	1.2940	41 22	0.7514	136
9	22.47	0.9913	357 45	1.2946	40 22	0.7433	172
10	22.60	0.9938	357 50	1.2953	39 22	0.7349	209
11	22.73	0.9963	357 55	1.2959	38 23	0.7262	246
12	+22.87	0.9988	357 59	1.2966	37 24	0.7172	282
13	23.01	1.0013	358 3	1.2972	36 24	0.7079	319
14	23.15	1.0039	358 7	1.2978	35 25	0.6982	355
15	23.29	1.0065	358 12	1.2984	34 26	0.6882	392
16	23.43	1.0091	358 16	1.2990	33 27	0.6778	429
17	+23.57	1.0117	358 20	1.2996	32 29	0.6670	465
18	23.71	1.0144	358 24	1.3002	31 30	0.6558	502
19	23.86	1.0170	358 28	1.3008	30 32	0.6441	538
20	24.01	1.0197	358 31	1.3014	29 34	0.6319	575
21	24.15	1.0223	358 34	1.3020	28 36	0.6193	612
22	+24.30	1.0250	358 37	1.3025	27 38	0.6062	648
23	24.45	1.0277	358 40	1.3031	26 40	0.5925	685
24	24.61	1.0304	358 43	1.3036	25 42	0.5781	721
25	24.76	1.0331	358 46	1.3041	24 45	0.5631	758
26	24.91	1.0358	358 48	1.3046	23 47	0.5475	795
27	+25.07	1.0385	358 51	1.3051	22 50	0.5311	831
28	25.23	1.0412	358 53	1.3055	21 53	0.5140	868
29	25.38	1.0439	358 56	1.3060	20 55	0.4961	904

Konstanten für die mittleren Tage 1908,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12ʰ Mittl. Zeit	f	log. g	G	log. h	H	log. i	☾
Nov. 29	+25.38″	1.0439	358° 56′	1.3060	20° 55′	0.4961	904
30	25.54	1.0466	358 58	1.3064	19 58	0.4772	941
Dez. 1	25.70	1.0493	359 0	1.3068	19 1	0.4573	978
2	25.86	1.0520	359 1	1.3072	18 4	0.4363	014
3	26.02	1.0547	359 2	1.3076	17 7	0.4140	051
4	+26.19	1.0574	359 4	1.3080	16 11	0.3904	087
5	26.35	1.0601	359 5	1.3084	15 14	0.3653	124
6	26.52	1.0628	359 6	1.3087	14 18	0.3385	161
7	26.68	1.0655	359 6	1.3090	13 21	0.3098	197
8	26.85	1.0681	359 7	1.3093	12 25	0.2789	234
9	+27.02	1.0708	359 7	1.3096	11 28	0.2455	270
10	27.19	1.0734	359 8	1.3098	10 32	0.2091	307
11	27.35	1.0761	359 8	1.3100	9 35	0.1692	344
12	27.52	1.0788	359 7	1.3102	8 39	0.1252	380
13	27.69	1.0815	359 7	1.3104	7 43	0.0760	417
14	+27.86	1.0841	359 7	1.3105	6 47	0.0204	453
15	28.03	1.0868	359 6	1.3107	5 51	9.9564	490
16	28.20	1.0894	359 5	1.3108	4 55	9.8810	527
17	28.37	1.0920	359 4	1.3109	3 59	9.7896	563
18	28.54	1.0946	359 2	1.3110	3 3	9.6737	600
19	+28.71	1.0972	359 1	1.3111	2 7	9.5147	636
20	28.89	1.0998	358 59	1.3111	1 10	9.2610	673
21	29.06	1.1024	358 58	1.3111	0 14	8.5752	710
22	29.23	1.1049	358 56	1.3111	359 18	9.0302_n	746
23	29.40	1.1075	358 54	1.3110	358 22	9.4016_n	783
24	+29.58	1.1100	358 51	1.3110	357 26	9.5987_n	819
25	29.75	1.1125	358 49	1.3109	356 30	9.7336_n	856
26	29.92	1.1150	358 46	1.3108	355 34	9.8363_n	893
27	30.09	1.1175	358 43	1.3107	354 38	9.9193_n	929
28	30.26	1.1199	358 40	1.3106	353 41	9.9887_n	966
29	+30.43	1.1224	358 37	1.3105	352 45	0.0484_n	002
30	30.60	1.1248	358 34	1.3103	351 49	0.1009_n	039
31	30.77	1.1272	358 31	1.3101	350 53	0.1475_n	076
32	30.93	1.1296	358 27	1.3099	349 56	0.1895_n	112
33	31.10	1.1320	358 24	1.3096	349 0	0.2276_n	149
34	+31.27	1.1344	358 20	1.3094	348 3	0.2626_n	185
35	31.44	1.1367	358 16	1.3091	347 7	0.2948_n	222
36	31.60	1.1390	358 12	1.3088	346 10	0.3246_n	259

Konstanten zur Berücksichtigung der Nutations-glieder von kurzer Periode für 1908.

☾	log. A'	log. B'	f'	log. g'	G'	☾	log. A'	log. B'	f'	log. g'	G'
000	6.934	8.946$_n$	+0″.04	8.955	281°.0	350	7.621	8.436	+0″.19	8.945	18°.1
010	6.618	8.943$_n$	+0.02	8.945	275.4	360	7.625	8.219	+0.19	8.936	11.1
020	5.397$_n$	8.933$_n$	0.00	8.933	269.7	370	7.623	7.744	+0.19	8.926	3.8
030	6.656$_n$	8.915$_n$	−0.02	8.918	263.7	380	7.615	7.744$_n$	+0.19	8.918	356.1
040	6.934$_n$	8.889$_n$	−0.04	8.900	257.5	390	7.599	8.219$_n$	+0.18	8.910	348.2
050	7.094$_n$	8.854$_n$	−0.06	8.879	250.8	400	7.575	8.436$_n$	+0.17	8.904	340.1
060	7.202$_n$	8.809$_n$	−0.07	8.857	243.6	410	7.543	8.576$_n$	+0.16	8.900	331.7
070	7.279$_n$	8.751$_n$	−0.09	8.833	235.9	420	7.500	8.675$_n$	+0.15	8.898	323.2
080	7.336$_n$	8.675$_n$	−0.10	8.808	227.5	430	7.444	8.751$_n$	+0.13	8.899	314.7
090	7.377$_n$	8.576$_n$	−0.11	8.784	218.2	440	7.371	8.809$_n$	+0.11	8.902	306.2
100	7.406$_n$	8.436$_n$	−0.12	8.763	208.1	450	7.274	8.854$_n$	+0.09	8.908	297.8
110	7.424$_n$	8.219$_n$	−0.12	8.746	197.3	460	7.138	8.889$_n$	+0.06	8.915	289.6
120	7.432$_n$	7.744$_n$	−0.12	8.736	185.8	470	6.924	8.915$_n$	+0.04	8.924	281.6
130	7.431$_n$	7.744	−0.12	8.735	174.1	480	6.452	8.933$_n$	+0.01	8.934	273.8
140	7.420$_n$	8.219	−0.12	8.743	162.6	490	6.455$_n$	8.943$_n$	−0.01	8.944	266.3
150	7.399$_n$	8.436	−0.12	8.758	151.5	500	6.934$_n$	8.946$_n$	−0.04	8.955	259.0
160	7.367$_n$	8.576	−0.11	8.778	141.1	510	7.155$_n$	8.943$_n$	−0.07	8.965	251.9
170	7.322$_n$	8.675	−0.10	8.802	131.6	520	7.298$_n$	8.933$_n$	−0.09	8.975	245.1
180	7.260$_n$	8.751	−0.08	8.827	122.9	530	7.403$_n$	8.915$_n$	−0.12	8.985	238.4
190	7.174$_n$	8.809	−0.07	8.852	114.9	540	7.483$_n$	8.889$_n$	−0.14	8.994	231.8
200	7.054$_n$	8.854	−0.05	8.875	107.6	550	7.546$_n$	8.854$_n$	−0.16	9.002	225.4
210	6.868$_n$	8.889	−0.03	8.897	100.8	560	7.596$_n$	8.809$_n$	−0.18	9.009	219.2
220	6.499$_n$	8.915	−0.01	8.916	94.4	570	7.637$_n$	8.751$_n$	−0.20	9.015	213.0
230	6.095	8.933	+0.01	8.933	88.3	580	7.669$_n$	8.675$_n$	−0.22	9.021	206.9
240	6.761	8.943	+0.03	8.947	82.5	590	7.694$_n$	8.576$_n$	−0.23	9.025	200.8
250	7.013	8.946	+0.05	8.958	76.8	600	7.712$_n$	8.436$_n$	−0.24	9.028	194.8
260	7.171	8.943	+0.07	8.967	71.3	610	7.724$_n$	8.219$_n$	−0.24	9.031	188.9
270	7.284	8.933	+0.09	8.973	65.8	620	7.730$_n$	7.744$_n$	−0.25	9.032	183.0
280	7.370	8.915	+0.11	8.976	60.3	630	7.731$_n$	7.744	−0.25	9.033	177.1
290	7.437	8.889	+0.13	8.977	54.7	640	7.726$_n$	8.219	−0.25	9.033	171.2
300	7.491	8.854	+0.14	8.976	49.1	650	7.715$_n$	8.436	−0.24	9.031	165.3
310	7.533	8.809	+0.16	8.973	43.3	660	7.698$_n$	8.576	−0.23	9.029	159.4
320	7.566	8.751	+0.17	8.968	37.3	670	7.675$_n$	8.675	−0.22	9.026	153.5
330	7.592	8.675	+0.18	8.961	31.2	680	7.645$_n$	8.751	−0.20	9.021	147.5
340	7.610	8.576	+0.19	8.954	24.8	690	7.607$_n$	8.809	−0.19	9.015	141.5
350	7.621	8.436	+0.19	8.945	18.1	700	7.559$_n$	8.854	−0.17	9.008	135.4

Konstanten zur Berücksichtigung der Nutations-glieder von kurzer Periode für 1908.

☾	log. A'	log. B'	f'	log. g'	G'	☾	log. A'	log. B'	f'	log. g'	G'
700	7.559_n	8.854	−0.″17	9.008	135.°4	850	7.546	8.436	+0.″16	8.879	21.°2
710	7.500_n	8.889	−0.15	9.000	129.3	860	7.571	8.219	+0.17	8.884	12.5
720	7.425_n	8.915	−0.12	8.991	123.0	870	7.588	7.744	+0.18	8.891	4.1
730	7.330_n	8.933	−0.10	8.981	116.6	880	7.597	7.744_n	+0.18	8.901	356.0
740	7.202_n	8.943	−0.07	8.970	110.0	890	7.600	8.219_n	+0.18	8.911	348.3
750	7.013_n	8.946	−0.05	8.958	103.2	900	7.595	8.436_n	+0.18	8.922	340.9
760	6.671_n	8.943	−0.02	8.946	96.1	910	7.584	8.576_n	+0.18	8.932	333.9
770	5.957	8.933	0.00	8.933	88.8	920	7.565	8.675_n	+0.17	8.942	327.2
780	6.804	8.915	+0.03	8.920	81.2	930	7.538	8.751_n	+0.16	8.951	320.9
790	7.066	8.889	+0.05	8.908	73.3	940	7.504	8.809_n	+0.15	8.958	314.8
800	7.221	8.854	+0.08	8.897	65.0	950	7.459	8.854_n	+0.13	8.963	308.9
810	7.328	8.809	+0.10	8.888	56.5	960	7.402	8.889_n	+0.12	8.966	303.1
820	7.406	8.751	+0.12	8.881	47.8	970	7.330	8.915_n	+0.10	8.967	297.5
830	7.466	8.675	+0.13	8.877	38.9	980	7.238	8.933_n	+0.08	8.966	292.0
840	7.512	8.576	+0.15	8.876	30.0	990	7.114	8.943_n	+0.06	8.962	286.5
850	7.546	8.436	+0.16	8.879	21.2	000	6.934	8.946_n	+0.04	8.955	281.0

Korrektion der Schiefe der Ekliptik für die Glieder von kurzer Periode.

Argument ☾		Δε	Argument ☾		Δε	Argument ☾		Δε
000	500	+0.″09	200	700	−0.″07	400	900	+0.″03
020	520	+0.09	220	720	−0.08	420	920	+0.05
040	540	+0.08	240	740	−0.09	440	940	+0.07
060	560	+0.07	260	760	−0.09	460	960	+0.08
080	580	+0.05	280	780	−0.08	480	980	+0.09
100	600	+0.03	300	800	−0.07	500	000	+0.09
120	620	+0.01	320	820	−0.06			
140	640	−0.02	340	840	−0.04			
160	660	−0.04	360	860	−0.02			
180	680	−0.06	380	880	+0.01			
200	700	−0.07	400	900	+0.03			

Konstanten für die Sterntage 1908,

gültig für die Sternzeitepochen $1^h\ 35^m.1$ Berlin.

Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D	C
Jan. 1.288	0.0000	9.5152_n	0.4506	0.5116_n	1.3045	—3.248
2.286	0.0027	9.5078_n	0.4499	0.5534_n	1.3031	3.576
3.283	0.0055	9.5002_n	0.4464	0.5913_n	1.3015	3.902
4.280	0.0082	9.4928_n	0.4401	0.6261_n	1.2998	4.228
5.277	0.0109	9.4863_n	0.4317	0.6582_n	1.2980	4.552
6.275	0.0136	9.4808_n	0.4223	0.6879_n	1.2960	—4.874
7.272	0.0164	9.4765_n	0.4131	0.7156_n	1.2938	5.195
8.269	0.0191	9.4732_n	0.4057	0.7415_n	1.2915	5.514
9.267	0.0218	9.4705_n	0.4008	0.7658_n	1.2891	5.832
10.264	0.0246	9.4679_n	0.3989	0.7887_n	1.2865	6.148
11.261	0.0273	9.4649_n	0.3998	0.8103_n	1.2838	—6.461
12.258	0.0300	9.4609_n	0.4025	0.8308_n	1.2809	
13.256	0.0328	9.4558_n	0.4056	0.8502_n	1.2778	
14.253	0.0355	9.4496_n	0.4078	0.8686_n	1.2746	
15.250	0.0382	9.4424_n	0.4078	0.8862_n	1.2712	
16.247	0.0410	9.4347_n	0.4049	0.9029_n	1.2677	
17.245	0.0437	9.4270_n	0.3987	0.9189_n	1.2640	
18.242	0.0464	9.4201_n	0.3896	0.9342_n	1.2601	
19.239	0.0491	9.4142_n	0.3784	0.9488_n	1.2560	
20.236	0.0519	9.4097_n	0.3664	0.9629_n	1.2518	
21.234	0.0546	9.4064_n	0.3552	0.9763_n	1.2474	
22.231	0.0573	9.4041_n	0.3463	0.9892_n	1.2428	
23.228	0.0601	9.4022_n	0.3405	1.0016_n	1.2381	
24.226	0.0628	9.4001_n	0.3383	1.0135_n	1.2331	
25.223	0.0655	9.3970_n	0.3389	1.0250_n	1.2280	
26.220	0.0683	9.3926_n	0.3413	1.0360_n	1.2226	
27.217	0.0710	9.3865_n	0.3438	1.0467_n	1.2171	
28.215	0.0737	9.3789_n	0.3448	1.0569_n	1.2113	
29.212	0.0764	9.3701_n	0.3430	1.0668_n	1.2053	
30.209	0.0792	9.3608_n	0.3376	1.0763_n	1.1991	
31.206	0.0819	9.3516_n	0.3285	1.0855_n	1.1927	
Febr. 1.204	0.0846	9.3432_n	0.3162	1.0943_n	1.1861	
2.201	0.0874	9.3363_n	0.3018	1.1029_n	1.1792	
3.198	0.0901	9.3310_n	0.2871	1.1111_n	1.1720	
4.196	0.0928	9.3274_n	0.2738	1.1191_n	1.1646	
5.193	0.0956	9.3249_n	0.2637	1.1267_n	1.1570	
6.190	0.0983	9.3228_n	0.2575	1.1341_n	1.1490	
7.187	0.1010	9.3204_n	0.2556	1.1413_n	1.1408	

$E = -0''.04$

Konstanten für die Sterntage 1908,

gültig für die Sternzeitepochen $1^h\ 35^m.1$ Berlin.

Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D	D
Febr. 7.187	0.1010	9.3204_n	0.2556	1.1413_n	1.1408	
8.185	0.1038	9.3171_n	0.2569	1.1482_n	1.1323	
9.182	0.1065	9.3122_n	0.2598	1.1548_n	1.1235	
10.179	0.1092	9.3058_n	0.2623	1.1612_n	1.1144	
11.176	0.1120	9.2979_n	0.2625	1.1674_n	1.1049	
12.174	0.1147	9.2890_n	0.2591	1.1734_n	1.0951	
13.171	0.1174	9.2799_n	0.2513	1.1791_n	1.0850	
14.168	0.1201	9.2714_n	0.2392	1.1847_n	1.0744	
15.165	0.1229	9.2644_n	0.2235	1.1900_n	1.0635	
16.163	0.1256	9.2592_n	0.2058	1.1952_n	1.0522	
17.160	0.1283	9.2559_n	0.1883	1.2001_n	1.0404	
18.157	0.1311	9.2542_n	0.1734	1.2048_n	1.0282	
19.155	0.1338	9.2535_n	0.1628	1.2094_n	1.0154	
20.152	0.1365	9.2528_n	0.1575	1.2138_n	1.0022	
21.149	0.1393	9.2511_n	0.1573	1.2180_n	0.9884	
22.146	0.1420	9.2478_n	0.1608	1.2220_n	0.9740	
23.144	0.1447	9.2422_n	0.1657	1.2259_n	0.9590	
24.141	0.1474	9.2345_n	0.1693	1.2296_n	0.9433	
25.138	0.1502	9.2248_n	0.1696	1.2331_n	0.9269	
26.135	0.1529	9.2140_n	0.1651	1.2365_n	0.9098	
27.133	0.1556	9.2029_n	0.1551	1.2397_n	0.8918	
28.130	0.1584	9.1927_n	0.1402	1.2427_n	0.8729	
29.127	0.1611	9.1841_n	0.1214	1.2456_n	0.8530	
März 1.125	0.1638	9.1778_n	0.1009	1.2483_n	0.8320	
2.122	0.1666	9.1739_n	0.0815	1.2509_n	0.8098	+6.454
3.119	0.1693	9.1719_n	0.0662	1.2534_n	0.7863	+6.114
4.116	0.1720	9.1710_n	0.0571	1.2557_n	0.7613	5.772
5.114	0.1747	9.1699_n	0.0550	1.2578_n	0.7347	5.429
6.111	0.1775	9.1678_n	0.0590	1.2598_n	0.7063	5.085
7.108	0.1802	9.1638_n	0.0668	1.2617_n	0.6757	4.739
8.105	0.1829	9.1575_n	0.0752	1.2634_n	0.6426	+4.391
9.103	0.1857	9.1489_n	0.0813	1.2650_n	0.6067	4.043
10.100	0.1884	9.1386_n	0.0828	1.2665_n	0.5675	3.694
11.097	0.1911	9.1275_n	0.0782	1.2678_n	0.5242	3.343
12.094	0.1939	9.1167_n	0.0670	1.2690_n	0.4760	2.992
13.092	0.1966	9.1075_n	0.0503	1.2700_n	0.4217	+2.640
14.089	0.1993	9.1007_n	0.0297	1.2709_n	0.3595	2.288
15.086	0.2021	9.0968_n	0.0081	1.2717_n	0.2867	1.935

$E = -0.04$

Konstanten für die Sterntage 1908,

gültig für die Sternzeitepochen $1^h\ 35^m.1$ Berlin.

Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D	D
März 15.086	0.2021	9.0968$_n$	0.0081	1.2717$_n$	0.2867	+1.935
16.084	0.2048	9.0953$_n$	9.9892	1.2724$_n$	0.1991	1.582
17.081	0.2075	9.0956$_n$	9.9763	1.2729$_n$	0.0892	1.228
18.078	0.2102	9.0963$_n$	9.9717	1.2733$_n$	9.9417	0.874
19.075	0.2130	9.0961$_n$	9.9756	1.2735$_n$	9.7164	0.520
20.073	0.2157	9.0938$_n$	9.9860	1.2737$_n$	9.2219	+0.167
21.070	0.2184	9.0886$_n$	9.9998	1.2737$_n$	9.2717$_n$	−0.187
22.067	0.2212	9.0800$_n$	0.0129	1.2735$_n$	9.7327$_n$	0.540
23.064	0.2239	9.0683$_n$	0.0223	1.2733$_n$	9.9511$_n$	0.893
24.062	0.2266	9.0543$_n$	0.0256	1.2729$_n$	0.0955$_n$	1.246
25.059	0.2294	9.0391$_n$	0.0216	1.2723$_n$	0.2036$_n$	−1.598
26.056	0.2321	9.0242$_n$	0.0109	1.2717$_n$	0.2898$_n$	1.949
27.054	0.2348	9.0112$_n$	9.9943	1.2709$_n$	0.3617$_n$	2.300
28.051	0.2375	9.0011$_n$	9.9745	1.2700$_n$	0.4231$_n$	2.649
29.048	0.2403	8.9945$_n$	9.9551	1.2690$_n$	0.4768$_n$	2.998
30.045	0.2430	8.9909$_n$	9.9402	1.2678$_n$	0.5245$_n$	−3.346
31.043	0.2457	8.9894$_n$	9.9330	1.2665$_n$	0.5673$_n$	3.692
April 1.040	0.2485	8.9884$_n$	9.9354	1.2651$_n$	0.6061$_n$	4.037
2.037	0.2512	8.9861$_n$	9.9463	1.2635$_n$	0.6416$_n$	4.381
3.034	0.2539	8.9814$_n$	9.9632	1.2618$_n$	0.6742$_n$	4.723
4.032	0.2567	8.9730$_n$	9.9818	1.2600$_n$	0.7045$_n$	−5.064
5.029	0.2594	8.9608$_n$	9.9985	1.2580$_n$	0.7326$_n$	5.403
6.026	0.2621	8.9454$_n$	0.0101	1.2559$_n$	0.7589$_n$	5.740
7.023	0.2649	8.9276$_n$	0.0149	1.2537$_n$	0.7835$_n$	6.075
8.021	0.2676	8.9092$_n$	0.0123	1.2513$_n$	0.8068$_n$	6.409
9.018	0.2703	8.8920$_n$	0.0027	1.2488$_n$	0.8286$_n$	
10.015	0.2730	8.8780$_n$	9.9882	1.2461$_n$	0.8494$_n$	
11.013	0.2758	8.8682$_n$	9.9716	1.2433$_n$	0.8690$_n$	
12.010	0.2785	8.8629$_n$	9.9569	1.2403$_n$	0.8876$_n$	
13.007	0.2812	8.8609$_n$	9.9478	1.2373$_n$	0.9054$_n$	
14.004	0.2840	8.8606$_n$	9.9471	1.2340$_n$	0.9223$_n$	
15.002	0.2867	8.8595$_n$	9.9555	1.2306$_n$	0.9385$_n$	
15.999	0.2894	8.8554$_n$	9.9713	1.2271$_n$	0.9539$_n$	
16.996	0.2922	8.8464$_n$	9.9913	1.2234$_n$	0.9687$_n$	
17.993	0.2949	8.8314$_n$	0.0116	1.2196$_n$	0.9829$_n$	
18.991	0.2976	8.8099$_n$	0.0287	1.2156$_n$	0.9965$_n$	
19.988	0.3003	8.7825$_n$	0.0402	1.2114$_n$	1.0095$_n$	
20.985	0.3031	8.7504$_n$	0.0448	1.2071$_n$	1.0221$_n$	

$E = -0''.04$

Konstanten für die Sterntage 1908, gültig für die Sternzeitepochen 1^h $35^m.1$ Berlin.

Datum in Mittl. Zeit	ι	log. A	log. B	log. C	log. D
April 20.985	0.3031	8.7504_n	0.0448	1.2071_n	1.0221_n
21.983	0.3058	8.7163_n	0.0424	1.2026_n	1.0341_n
22.980	0.3085	8.6830_n	0.0341	1.1979_n	1.0458_n
23.977	0.3113	8.6535_n	0.0219	1.1930_n	1.0569_n
24.974	0.3140	8.6300_n	0.0090	1.1880_n	1.0677_n
25.972	0.3167	8.6135_n	9.9989	1.1828_n	1.0781_n
26.969	0.3195	8.6026_n	9.9947	1.1774_n	1.0881_n
27.966	0.3222	8.5937_n	9.9983	1.1718_n	1.0978_n
28.963	0.3249	8.5831_n	0.0097	1.1661_n	1.1071_n
29.961	0.3277	8.5667_n	0.0267	1.1601_n	1.1161_n
30.958	0.3304	8.5406_n	0.0463	1.1539_n	1.1248_n
Mai 1.955	0.3331	8.5023_n	0.0650	1.1475_n	1.1332_n
2.953	0.3358	8.4492_n	0.0800	1.1409_n	1.1413_n
3.950	0.3386	8.3802_n	0.0894	1.1340_n	1.1492_n
4.947	0.3413	8.2956_n	0.0924	1.1270_n	1.1567_n
5.944	0.3440	8.1970_n	0.0892	1.1197_n	1.1641_n
6.942	0.3468	8.0892_n	0.0810	1.1121_n	1.1711_n
7.939	0.3495	7.9814_n	0.0702	1.1043_n	1.1780_n
8.936	0.3522	7.8865_n	0.0595	1.0962_n	1.1846_n
9.933	0.3550	7.8102_n	0.0522	1.0879_n	1.1910_n
10.931	0.3577	7.7497_n	0.0506	1.0792_n	1.1971_n
11.928	0.3604	7.6840_n	0.0561	1.0703_n	1.2031_n
12.925	0.3631	7.5635_n	0.0678	1.0610_n	1.2088_n
13.922	0.3659	7.2601_n	0.0838	1.0515_n	1.2144_n
14.920	0.3686	6.9685	0.1010	1.0416_n	1.2198_n
15.917	0.3713	7.6637	0.1167	1.0313_n	1.2249_n
16.914	0.3741	7.9571	0.1284	1.0207_n	1.2299_n
17.912	0.3768	8.1464	0.1347	1.0097_n	1.2347_n
18.909	0.3795	8.2799	0.1350	0.9983_n	1.2394_n
19.906	0.3823	8.3775	0.1299	0.9864_n	1.2439_n
20.903	0.3850	8.4481	0.1208	0.9742_n	1.2482_n
21.901	0.3877	8.4980	0.1099	0.9614_n	1.2523_n
22.898	0.3904	8.5330	0.0999	0.9481_n	1.2563_n
23.895	0.3932	8.5573	0.0936	0.9343_n	1.2601_n
24.892	0.3959	8.5761	0.0928	0.9199_n	1.2637_n
25.890	0.3986	8.5941	0.0983	0.9049_n	1.2672_n
26.887	0.4014	8.6150	0.1091	0.8892_n	1.2706_n
27.884	0.4041	8.6413	0.1231	0.8728_n	1.2738_n

$$E = -0''.05$$

Konstanten für die Sterntage 1908,

gültig für die Sternzeitepochen $1^h\ 35^m.1$ Berlin.

Datum in Mittl. Zeit		t	log. A	log. B	log. C	log. D	C'
Mai	27.884	0.4041	8.6413	0.1231	0.8728_n	1.2738_n	−7.461
	28.882	0.4068	8.6733	0.1376	0.8557_n	1.2769_n	7.173
	29.879	0.4096	8.7096	0.1498	0.8377_n	1.2798_n	6.882
	30.876	0.4123	8.7474	0.1579	0.8189_n	1.2826_n	6.590
	31.873	0.4150	8.7843	0.1606	0.7990_n	1.2852_n	6.296
Juni	1.871	0.4178	8.8174	0.1577	0.7781_n	1.2877_n	−6.000
	2.868	0.4205	8.8455	0.1498	0.7561_n	1.2901_n	5.702
	3.865	0.4232	8.8676	0.1387	0.7327_n	1.2923_n	5.403
	4.862	0.4259	8.8840	0.1263	0.7079_n	1.2945_n	5.103
	5.860	0.4287	8.8956	0.1155	0.6814_n	1.2964_n	4.802
	6.857	0.4314	8.9040	0.1089	0.6531_n	1.2983_n	−4.499
	7.854	0.4341	8.9113	0.1078	0.6227_n	1.3000_n	4.194
	8.851	0.4369	8.9193	0.1126	0.5899_n	1.3016_n	3.889
	9.849	0.4396	8.9301	0.1222	0.5543_n	1.3031_n	3.583
	10.846	0.4423	8.9447	0.1341	0.5154_n	1.3044_n	3.276
	11.843	0.4451	8.9631	0.1457	0.4725_n	1.3056_n	−2.968
	12.841	0.4478	8.9845	0.1546	0.4248_n	1.3067_n	2.660
	13.838	0.4505	9.0076	0.1589	0.3711_n	1.3077_n	2.350
	14.835	0.4532	9.0306	0.1577	0.3097_n	1.3085_n	2.040
	15.832	0.4560	9.0518	0.1509	0.2380_n	1.3093_n	1.730
	16.830	0.4587	9.0703	0.1393	0.1519_n	1.3099_n	−1.419
	17.827	0.4614	9.0854	0.1248	0.0443_n	1.3104_n	1.107
	18.824	0.4642	9.0971	0.1097	9.9007_n	1.3107_n	0.796
	19.821	0.4669	9.1060	0.0968	9.6850_n	1.3110_n	0.484
	20.819	0.4696	9.1129	0.0887	9.2366_n	1.3111_n	−0.172
	21.816	0.4724	9.1192	0.0867	9.1443	1.3111_n	+0.139
	22.813	0.4751	9.1259	0.0906	9.6543	1.3110_n	0.451
	23.811	0.4778	9.1343	0.0990	9.8823	1.3108_n	0.763
	24.808	0.4806	9.1447	0.1090	0.0310	1.3104_n	1.074
	25.805	0.4833	9.1571	0.1181	0.1415	1.3099_n	1.385
	26.802	0.4860	9.1711	0.1237	0.2293	1.3093_n	+1.696
	27.800	0.4887	9.1857	0.1239	0.3023	1.3086_n	2.006
	28.797	0.4915	9.1999	0.1180	0.3647	1.3078_n	2.316
	29.794	0.4942	9.2127	0.1061	0.4190	1.3068_n	2.624
	30.791	0.4969	9.2235	0.0892	0.4672	1.3058_n	2.933
Juli	1.789	0.4997	9.2319	0.0694	0.5105	1.3046_n	+3.240
	2.786	0.5024	9.2380	0.0498	0.5498	1.3032_n	3.546
	3.783	0.5051	9.2424	0.0333	0.5857	1.3018_n	3.852

$E = -0.04$

Konstanten für die Sterntage 1908,

gültig für die Sternzeitepochen 1^h $35^m.1$ Berlin.

Datum in Mittl. Zeit		t	log. A	log. B	log. C	log. D	C
Juli	3.783	0.5051	9.2424	0.0333	0.5857	1.3018_n	+3.852
	4.780	0.5079	9.2459	0.0227	0.6187	1.3002_n	4.156
	5.778	0.5106	9.2493	0.0192	0.6493	1.2985_n	4.460
	6.775	0.5133	9.2537	0.0223	0.6778	1.2967_n	4.762
	7.772	0.5160	9.2596	0.0299	0.7044	1.2947_n	5.062
	8.770	0.5188	9.2676	0.0387	0.7293	1.2927_n	+5.362
	9.767	0.5215	9.2774	0.0454	0.7528	1.2904_n	5.659
	10.764	0.5242	9.2885	0.0473	0.7749	1.2881_n	5.956
	11.761	0.5270	9.3002	0.0425	0.7959	1.2856_n	6.251
	12.759	0.5297	9.3117	0.0301	0.8158	1.2830_n	6.544
	13.756	0.5324	9.3219	0.0105	0.8347	1.2803_n	
	14.753	0.5352	9.3306	9.9850	0.8528	1.2774_n	
	15.750	0.5379	9.3375	9.9564	0.8699	1.2743_n	
	16.748	0.5406	9.3427	9.9283	0.8864	1.2712_n	
	17.745	0.5433	9.3465	9.9051	0.9021	1.2679_n	
	18.742	0.5461	9.3496	9.8901	0.9171	1.2644_n	
	19.740	0.5488	9.3528	9.8848	0.9315	1.2608_n	
	20.737	0.5515	9.3567	9.8880	0.9454	1.2570_n	
	21.734	0.5543	9.3617	9.8960	0.9587	1.2531_n	
	22.731	0.5570	9.3681	9.9045	0.9715	1.2490_n	
	23.729	0.5597	9.3756	9.9092	0.9838	1.2448_n	
	24.726	0.5625	9.3839	9.9067	0.9956	1.2404_n	
	25.723	0.5652	9.3922	9.8938	1.0071	1.2358_n	
	26.720	0.5679	9.4000	9.8702	1.0181	1.2311_n	
	27.718	0.5707	9.4067	9.8359	1.0287	1.2262_n	
	28.715	0.5734	9.4120	9.7929	1.0390	1.2211_n	
	29.712	0.5761	9.4157	9.7448	1.0489	1.2158_n	
	30.709	0.5789	9.4181	9.6974	1.0585	1.2104_n	
	31.707	0.5816	9.4197	9.6581	1.0677	1.2047_n	
Aug.	1.704	0.5843	9.4210	9.6331	1.0767	1.1989_n	
	2.701	0.5870	9.4226	9.6250	1.0853	1.1928_n	
	3.699	0.5898	9.4252	9.6310	1.0937	1.1866_n	
	4.696	0.5925	9.4290	9.6440	1.1018	1.1801_n	
	5.693	0.5952	9.4343	9.6555	1.1096	1.1734_n	
	6.690	0.5980	9.4407	9.6581	1.1172	1.1664_n	
	7.688	0.6007	9.4478	9.6462	1.1245	1.1593_n	
	8.685	0.6034	9.4550	9.6151	1.1316	1.1519_n	
	9.682	0.6062	9.4617	9.5616	1.1384	1.1442_n	

$E = -0.04$

Konstanten für die Sterntage 1908,

gültig für die Sternzeitepochen 1^h $35^m.1$ Berlin.

Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D	D
Aug. 9.682	0.6062	9.4617	9.5616	1.1384	1.1442_n	
10.679	0.6089	9.4675	9.4823	1.1451	1.1362_n	
11.677	0.6116	9.4720	9.3749	1.1515	1.1280_n	
12.674	0.6143	9.4752	9.2375	1.1577	1.1195_n	
13.671	0.6171	9.4774	9.0748	1.1637	1.1108_n	
14.669	0.6198	9.4788	8.9074	1.1695	1.1017_n	
15.666	0.6225	9.4801	8.7853	1.1751	1.0922_n	
16.663	0.6253	9.4817	8.7649	1.1805	1.0825_n	
17.660	0.6280	9.4841	8.8312	1.1857	1.0724_n	
18.658	0.6307	9.4875	8.9154	1.1908	1.0619_n	
19.655	0.6335	9.4919	8.9703	1.1957	1.0510_n	
20.652	0.6362	9.4971	8.9717	1.2004	1.0397_n	
21.649	0.6389	9.5025	8.8910	1.2049	1.0280_n	
22.647	0.6417	9.5078	8.6415	1.2092	1.0159_n	
23.644	0.6444	9.5124	7.7853_n	1.2135	1.0032_n	
24.641	0.6471	9.5161	8.8241_n	1.2175	0.9901_n	
25.639	0.6498	9.5185	9.1159_n	1.2214	0.9763_n	
26.636	0.6526	9.5198	9.2774_n	1.2251	0.9621_n	
27.633	0.6553	9.5203	9.3722_n	1.2287	0.9472_n	
28.630	0.6580	9.5205	9.4224_n	1.2321	0.9316_n	
29.628	0.6608	9.5207	9.4392_n	1.2354	0.9153_n	
30.625	0.6635	9.5214	9.4308_n	1.2385	0.8983_n	
31.622	0.6662	9.5232	9.4030_n	1.2415	0.8804_n	
Sept. 1.619	0.6690	9.5261	9.3687_n	1.2444	0.8616_n	
2.617	0.6717	9.5300	9.3428_n	1.2471	0.8418_n	
3.614	0.6744	9.5347	9.3412_n	1.2497	0.8210_n	—6.622
4.611	0.6771	9.5398	9.3714_n	1.2521	0.7989_n	6.294
5.608	0.6799	9.5447	9.4294_n	1.2544	0.7755_n	5.964
6.606	0.6826	9.5490	9.5009_n	1.2566	0.7507_n	5.632
7.603	0.6853	9.5524	9.5722_n	1.2586	0.7242_n	5.299
8.600	0.6881	9.5548	9.6339_n	1.2605	0.6958_n	—4.964
9.598	0.6908	9.5562	9.6809_n	1.2623	0.6653_n	4.627
10.595	0.6935	9.5569	9.7113_n	1.2639	0.6323_n	4.289
11.592	0.6963	9.5573	9.7251_n	1.2654	0.5965_n	3.949
12.589	0.6990	9.5578	9.7235_n	1.2668	0.5573_n	3.608
13.587	0.7017	9.5590	9.7094_n	1.2681	0.5140_n	—3.266
14.584	0.7045	9.5609	9.6873_n	1.2692	0.4658_n	2.923
15.581	0.7072	9.5637	9.6637_n	1.2702	0.4113_n	2.578

$E = -0.04$

Konstanten für die Sterntage 1908,

gültig für die Sternzeitepochen $1^h\ 35^m.1$ Berlin.

Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D	D
Sept. 15.581	0.7072	9.5637	9.6637_n	1.2702	0.4113_n	−2.578
16.578	0.7099	9.5673	9.6465_n	1.2711	0.3489_n	2.233
17.576	0.7126	9.5714	9.6427_n	1.2718	0.2757_n	1.887
18.573	0.7154	9.5755	9.6557_n	1.2724	0.1875_n	1.540
19.570	0.7181	9.5793	9.6839_n	1.2729	0.0764_n	1.192
20.568	0.7208	9.5823	9.7211_n	1.2733	9.9266_n	−0.844
21.565	0.7236	9.5844	9.7601_n	1.2735	9.6956_n	0.496
22.562	0.7263	9.5855	9.7943_n	1.2737	9.1682_n	−0.147
23.559	0.7290	9.5858	9.8193_n	1.2737	9.3046	+0.202
24.557	0.7318	9.5857	9.8331_n	1.2735	9.7410	0.551
25.554	0.7345	9.5854	9.8345_n	1.2733	9.9543	+0.900
26.551	0.7372	9.5856	9.8246_n	1.2729	0.0967	1.249
27.548	0.7400	9.5865	9.8053_n	1.2723	0.2036	1.598
28.546	0.7427	9.5883	9.7808_n	1.2717	0.2893	1.947
29.543	0.7454	9.5912	9.7565_n	1.2709	0.3608	2.295
30.540	0.7481	9.5948	9.7387_n	1.2700	0.4221	+2.643
Okt. 1.537	0.7509	9.5990	9.7326_n	1.2690	0.4757	2.990
2.535	0.7536	9.6032	9.7407_n	1.2678	0.5233	3.337
3.532	0.7563	9.6072	9.7608_n	1.2665	0.5662	3.683
4.529	0.7591	9.6104	9.7880_n	1.2651	0.6051	4.028
5.527	0.7618	9.6128	9.8161_n	1.2635	0.6407	+4.372
6.524	0.7645	9.6143	9.8395_n	1.2618	0.6734	4.715
7.521	0.7673	9.6152	9.8544_n	1.2600	0.7038	5.056
8.518	0.7700	9.6157	9.8587_n	1.2580	0.7321	5.397
9.516	0.7727	9.6162	9.8515_n	1.2559	0.7586	5.736
10.513	0.7754	9.6170	9.8338_n	1.2537	0.7834	+6.073
11.510	0.7782	9.6186	9.8077_n	1.2513	0.8068	6.409
12.507	0.7809	9.6209	9.7773_n	1.2487	0.8288	
13.505	0.7836	9.6240	9.7483_n	1.2460	0.8498	
14.502	0.7864	9.6277	9.7272_n	1.2432	0.8696	
15.499	0.7891	9.6316	9.7190_n	1.2402	0.8884	
16.497	0.7918	9.6353	9.7253_n	1.2371	0.9064	
17.494	0.7946	9.6386	9.7434_n	1.2338	0.9235	
18.491	0.7973	9.6411	9.7677_n	1.2303	0.9398	
19.488	0.8000	9.6427	9.7918_n	1.2267	0.9555	
20.486	0.8028	9.6436	9.8100_n	1.2230	0.9704	
21.483	0.8055	9.6440	9.8184_n	1.2190	0.9848	
22.480	0.8082	9.6442	9.8149_n	1.2149	0.9986	

$E = -0.04$

Konstanten für die Sterntage 1908,

gültig für die Sternzeitepochen 1^h $35^m.1$ Berlin.

Datum in Mittl. Zeit	ι	log. A	log. B	log. C	log. D
Okt. 22.480	0.8082	9.6442	9.8149_n	1.2149	0.9986
23.477	0.8109	9.6445	9.7989_n	1.2106	1.0118
24.475	0.8137	9.6455	9.7713_n	1.2062	1.0246
25.472	0.8164	9.6472	9.7349_n	1.2015	1.0368
26.469	0.8191	9.6499	9.6943_n	1.1967	1.0486
27.466	0.8219	9.6533	9.6567_n	1.1917	1.0600
28.464	0.8246	9.6573	9.6297_n	1.1864	1.0709
29.461	0.8273	9.6616	9.6198_n	1.1810	1.0815
30.458	0.8301	9.6656	9.6281_n	1.1754	1.0916
31.456	0.8328	9.6693	9.6499_n	1.1696	1.1015
Nov. 1.453	0.8355	9.6723	9.6774_n	1.1636	1.1109
2.450	0.8382	9.6745	9.7023_n	1.1573	1.1201
3.447	0.8410	9.6761	9.7187_n	1.1508	1.1289
4.445	0.8437	9.6772	9.7221_n	1.1441	1.1375
5.442	0.8464	9.6783	9.7106_n	1.1371	1.1457
6.439	0.8492	9.6795	9.6834_n	1.1299	1.1537
7.436	0.8519	9.6813	9.6413_n	1.1224	1.1614
8.434	0.8546	9.6837	9.5876_n	1.1146	1.1688
9.431	0.8574	9.6868	9.5291_n	1.1066	1.1760
10.428	0.8601	9.6905	9.4761_n	1.0983	1.1829
11.426	0.8628	9.6946	9.4409_n	1.0896	1.1896
12.423	0.8656	9.6986	9.4331_n	1.0807	1.1961
13.420	0.8683	9.7023	9.4501_n	1.0714	1.2024
14.417	0.8710	9.7054	9.4884_n	1.0618	1.2084
15.415	0.8737	9.7078	9.5287_n	1.0518	1.2142
16.412	0.8765	9.7095	9.5618_n	1.0415	1.2198
17.409	0.8792	9.7107	9.5806_n	1.0307	1.2252
18.406	0.8819	9.7116	9.5807_n	1.0195	1.2305
19.404	0.8847	9.7125	9.5597_n	1.0080	1.2355
20.401	0.8874	9.7138	9.5169_n	0.9959	1.2403
21.398	0.8901	9.7156	9.4529_n	0.9833	1.2450
22.395	0.8929	9.7183	9.3707_n	0.9703	1.2494
23.393	0.8956	9.7216	9.2810_n	0.9567	1.2537
24.390	0.8983	9.7256	9.2022_n	0.9425	1.2578
25.387	0.9010	9.7298	9.1611_n	0.9276	1.2618
26.385	0.9038	9.7341	9.1735_n	0.9121	1.2656
27.382	0.9065	9.7380	9.2292_n	0.8959	1.2692
28.379	0.9092	9.7414	9.3023_n	0.8789	1.2726

$E = -0.04$

Konstanten für die Sterntage 1908,

gültig für die Sternzeitepochen $1^h\ 35^m.1$ Berlin.

Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D	C'
Nov. 28.379	0.9092	9.7414	9.3023$_n$	0.8789	1.2726	
29.376	0.9120	9.7442	9.3712$_n$	0.8611	1.2759	
30.374	0.9147	9.7464	9.4221$_n$	0.8424	1.2791	
Dez. 1.371	0.9174	9.7481	9.4489$_n$	0.8226	1.2820	
2.368	0.9202	9.7496	9.4490$_n$	0.8018	1.2849	+6.336
3.365	0.9229	9.7511	9.4208$_n$	0.7798	1.2876	+6.023
4.363	0.9256	9.7530	9.3644$_n$	0.7565	1.2901	5.708
5.360	0.9284	9.7554	9.2799$_n$	0.7317	1.2925	5.391
6.357	0.9311	9.7584	9.1726$_n$	0.7052	1.2947	5.072
7.355	0.9338	9.7620	9.0588$_n$	0.6768	1.2968	4.751
8.352	0.9365	9.7658	8.9759$_n$	0.6463	1.2987	+4.429
9.349	0.9393	9.7698	8.9680$_n$	0.6134	1.3005	4.106
10.346	0.9420	9.7735	9.0398$_n$	0.5776	1.3021	3.781
11.344	0.9447	9.7769	9.1514$_n$	0.5384	1.3036	3.455
12.341	0.9475	9.7797	9.2615$_n$	0.4952	1.3050	3.127
13.338	0.9502	9.7818	9.3504$_n$	0.4470	1.3062	+2.799
14.335	0.9529	9.7834	9.4121$_n$	0.3927	1.3073	2.470
15.333	0.9557	9.7846	9.4450$_n$	0.3304	1.3083	2.140
16.330	0.9584	9.7857	9.4496$_n$	0.2574	1.3091	1.809
17.327	0.9611	9.7870	9.4280$_n$	0.1695	1.3098	1.477
18.325	0.9638	9.7887	9.3817$_n$	0.0590	1.3103	+1.145
19.322	0.9666	9.7910	9.3174$_n$	9.9101	1.3107	0.813
20.319	0.9693	9.7939	9.2462$_n$	9.6816	1.3110	0.480
21.316	0.9720	9.7973	9.1900$_n$	9.1688	1.3111	+0.148
22.314	0.9748	9.8011	9.1738$_n$	9.2682$_n$	1.3111	—0.185
23.311	0.9775	9.8050	9.2108$_n$	9.7147$_n$	1.3109	—0.518
24.308	0.9802	9.8087	9.2871$_n$	9.9300$_n$	1.3107	0.851
25.305	0.9830	9.8120	9.3777$_n$	0.0732$_n$	1.3103	1.184
26.303	0.9857	9.8147	9.4622$_n$	0.1807$_n$	1.3097	1.516
27.300	0.9884	9.8170	9.5308$_n$	0.2667$_n$	1.3090	1.848
28.297	0.9911	9.8187	9.5791$_n$	0.3383$_n$	1.3082	—2.179
29.294	0.9939	9.8202	9.6066$_n$	0.3996$_n$	1.3072	2.510
30.292	0.9966	9.8216	9.6144$_n$	0.4532$_n$	1.3061	2.839
31.289	0.9993	9.8232	9.6044$_n$	0.5008$_n$	1.3048	3.168
32.286	1.0021	9.8251	9.5821$_n$	0.5436$_n$	1.3035	3.496
33.284	1.0048	9.8275	9.5536$_n$	0.5824$_n$	1.3019	—3.823
34.281	1.0075	9.8304	9.5289$_n$	0.6179$_n$	1.3003	4.149
35.278	1.0103	9.8336	9.5186$_n$	0.6506$_n$	1.2984	4.473

$E = -0.''04$

Konstanten für die mittleren Tage 1908,

zur Reduktion von dem Mittl. Äquin. 1910.0 auf das jedesmalige wahre Äquinoktium.

12^h Mittl. Zeit	f	log. g	G	12^h Mittl. Zeit	f	log. g	G
1907 Dez. 30	—107.47″	1.67034	176° 36.4″	April 24	—94.42″	1.61346	178° 31.9″
1908 Jan. 3	106.81	1.66765	176 39.6	28	93.98	1.61141	178 28.4
7	106.16	1.66498	176 43.7	Mai 2	93.51	1.60926	178 24.7
11	105.52	1.66235	176 48.5	6	93.02	1.60700	178 20.8
15	104.90	1.65976	176 54.1	10	92.51	1.60463	178 16.8
19	—104.30	1.65721	177 0.3	14	—91.98	1.60215	178 12.9
23	103.72	1.65473	177 7.1	18	91.43	1.59956	178 9.3
27	103.16	1.65233	177 14.4	22	90.86	1.59687	178 6.0
31	102.62	1.65001	177 22.0	26	90.28	1.59408	178 3.1
Febr. 4	102.11	1.64778	177 29.8	30	89.68	1.59120	178 0.7
8	—101.62	1.64565	177 37.7	Juni 3	—89.06	1.58823	177 58.8
12	101.15	1.64361	177 45.6	7	88.44	1.58517	177 57.6
16	100.71	1.64166	177 53.5	11	87.81	1.58203	177 57.3
20	100.29	1.63980	178 1.1	15	87.17	1.57884	177 57.7
24	99.88	1.63802	178 8.3	19	86.52	1.57561	177 59.0
28	— 99.50	1.63631	178 15.0	23	—85.87	1.57234	178 1.2
März 3	99.13	1.63467	178 21.1	27	85.22	1.56905	178 4.3
7	98.77	1.63308	178 26.6	Juli 1	84.58	1.56574	178 8.4
11	98.42	1.63153	178 31.3	5	83.94	1.56245	178 13.5
15	98.08	1.63001	178 35.3	9	83.32	1.55918	178 19.5
19	— 97.75	1.62850	178 38.4	13	—82.70	1.55594	178 26.5
23	97.41	1.62700	178 40.7	17	82.10	1.55275	178 34.1
27	97.07	1.62549	178 42.2	21	81.52	1.54962	178 42.3
31	96.73	1.62395	178 42.9	25	80.95	1.54656	178 51.3
April 4	96.38	1.62236	178 42.7	29	80.40	1.54357	179 1.0
8	— 96.02	1.62073	178 41.8	Aug. 2	—79.87	1.54066	179 11.1
12	95.64	1.61904	178 40.2	6	79.36	1.53785	179 21.4
16	95.25	1.61727	178 37.9	10	78.87	1.53514	179 31.9
20	94.84	1.61541	178 35.1	14	78.40	1.53253	179 42.6
24	94.42	1.61346	178 31.9	18	77.95	1.53002	179 53.1

Konstanten für die mittleren Tage 1908,

zur Reduktion von dem Mittl. Äquin. 1910.0 auf das jedesmalige wahre Äquinoktium.

12h Mittl. Zeit	f	log. g	G	12h Mittl. Zeit	f	log. g	G
Aug. 18	−77.95	1.53002	179° 53.1′	Okt. 29	−71.06	1.48988	180° 55.8′
22	77.52	1.52760	180 3.3	Nov. 2	70.59	1.48697	180 51.6
26	77.10	1.52527	180 13.0	6	70.09	1.48390	180 47.2
30	76.70	1.52303	180 22.4	10	69.57	1.48066	180 42.6
Sept. 3	76.32	1.52087	180 31.1	14	69.02	1.47724	180 38.0
7	−75.95	1.51878	180 39.1	18	−68.46	1.47364	180 33.6
11	75.59	1.51674	180 46.2	22	67.87	1.46987	180 29.7
15	75.24	1.51472	180 52.4	26	67.26	1.46593	180 26.5
19	74.89	1.51271	180 57.6	30	66.63	1.46184	180 24.0
23	74.54	1.51071	181 1.9	Dez. 4	65.98	1.45761	180 22.4
27	−74.20	1.50869	181 5.2	8	−65.32	1.45326	180 21.8
Okt. 1	73.85	1.50663	181 7.3	12	64.65	1.44877	180 22.4
5	73.49	1.50452	181 8.3	16	63.97	1.44417	180 24.4
9	73.13	1.50235	181 8.4	20	63.28	1.43950	180 27.7
13	72.75	1.50010	181 7.4	24	62.59	1.43478	180 32.5
17	−72.35	1.49775	181 5.6	28	−61.91	1.43002	180 38.9
21	71.94	1.49527	181 3.0	32	61.24	1.42524	180 46.9
25	71.51	1.49265	180 59.7	36	60.57	1.42046	180 56.4
29	71.06	1.48988	180 55.8	40	59.91	1.41572	181 7.3

Red. in $\alpha = f + g \sin(G + \alpha) \operatorname{tg} \delta$

Red. in $\delta = g \cos(G + \alpha)$

Im Jahre 1908 werden drei Sonnenfinsternisse stattfinden, von denen jedoch bei uns keine sichtbar sein wird.

I. Totale Sonnenfinsternis 1908 Januar 3,

unsichtbar in Berlin.

Elemente der Finsternis

nach wahrer Berliner Zeit τ.

	8h 32m 46s.8	9h 44m 45s.4	10h 56m 44s.0	12h 8m 42s.6	13h 20m 41s.2
τ	128°.1949	146°.1890	164°.1832	182°.1774	200°.1715
λ☾	280° 52′ 43″.0	281° 38′ 9″.4	282° 23′ 36″.8	283° 9′ 5″.0	283° 54′ 33″.9
β☾	+ 0 18 51.8	+ 0 14 39.2	+ 0 10 26.3	+ 0 6 13.3	+ 0 2 0.1
π☾	1 1 14.6	1 1 15.3	1 1 15.9	1 1 16.5	1 1 17.0
Δα′☉	— 0 0 11.46	— 0 0 4.69	+ 0 0 2.08	+ 0 0 8.85	+ 0 0 15.62
δ′☉	—22 54 14.4	—22 53 57.7	—22 53 41.0	—22 53 24.2	—22 53 7.4
N'	90 29 58.3	90 28 47.1	90 27 36.8	90 26 27.5	90 25 19.3
γ	+0.192923	+0.192927	+0.192931	+0.192937	+0.192943
u'_a	+0.539387	+0.539385	+0.539347	+0.539272	+0.539159
u'_i	+0.006986	+0.006987	+0.007025	+0.007100	+0.007212
log sin f_a	7.677145	7.677145	7.677145	7.677145	7.677144
log sin f_i	7.674974_n	7.674974_n	7.674974_n	7.674974_n	7.674974_n
log n	9.764310	9.764340	9.764345	9.764326	9.764284
μ	158°.6674	158°.6680	158°.6682	158°.6681	158°.6677
k	90° 27′ 36″.5	90° 26′ 31″.0	90° 25′ 26″.3	90° 24′ 22″.5	90° 23′ 19″.7
g	22 54 33.0	22 54 14.8	22 53 56.8	22 53 38.8	22 53 20.6
K	89 48 20.1	89 48 47.9	89 49 15.4	89 49 42.5	89 50 9.1
G	268 43 0.0	268 46 2.0	268 49 1.7	268 51 59.0	268 54 53.5

	Mittl. Zeit Berlin	O. L. Gr.	Breite
Beginn der Finsternis überhaupt . .	8h 1m.3	166° 23′	+ 7° 24′
Beginn der totalen Finsternis . . .	8 56.9	154 31	+10 46
Beginn der zentralen Finsternis . .	8 57.7	154 7	+10 56
Zentrale Finsternis im wahren Mittag	10 38.8	214 46	—11 51
Ende der zentralen Finsternis . . .	12 20.3	275 42	+10 5
Ende der totalen Finsternis	12 21.0	273 18	+ 9 54
Ende der Finsternis überhaupt . . .	13 16.7	263 26	+ 6 33

Grenzkurven für die Sichtbarkeit der Finsternis.

Nördl. Grenze		Östl. Grenze.		Südl. Grenze.		Westl. Grenze.	
O. L. Gr.	Br.	O. L. Gr.	Br.	O. L. Gr.	Br.	O. L. Gr.	Br.
166° 44′	+42° 52′	263° 22′	+42° 5′	291° 16′	−18° 37′	138° 36′	−17° 46′
178 48	37 6	274 54	36 24	274 6	26 17	135 56	13 20
187 59	32 37	281 32	27 25	261 9	32 11	136 14	− 5 39
195 58	28 59	285 20	20 9	249 9	36 59	137 33	+ 0 59
202 55	26 19	287 30	15 5	237 33	40 27	138 51	5 49
209 8	24 41	288 51	11 31	226 4	42 30	139 56	9 19
214 57	24 4	289 53	8 30	214 36	43 7	140 59	12 21
220 45	24 29	290 58	4 58	203 10	42 17	142 21	15 56
226 55	25 53	292 16	+ 0 8	191 44	40 1	144 35	21 0
233 48	28 20	293 36	− 6 30	180 13	36 21	148 23	28 15
241 41	31 47	293 55	14 11	168 16	31 21	155 6	37 12
250 46	36 6	291 16	−18 37	155 22	25 19	166 44	+42 52
263 22	+42 5			138 36	−17 46		

Kurve der zentralen Verfinsterung.

Mittl. Berl. Zeit	O. L. Gr.	Br.	Dauer der totalen Verfinsterung
8h 57.7m	154° 7′	+10° 56′	
9 2.0	168 57	+ 4 15	2m 0s
9 13.2	180 10	− 1 7	2 34
9 30.1	189 57	5 37	3 10
9 51.0	198 44	8 58	3 44
10 14.3	206 54	11 4	4 9
10 38.8	214 46	11 51	4 19
11 3.3	222 39	11 18	4 10
11 26.6	230 49	9 25	3 45
11 47.5	239 36	6 15	3 11
12 4.4	249 23	− 1 57	2 35
12 15.7	260 33	+ 3 17	2 1
12 20.3	275 42	+10 5	

Die Finsternis ist daher auf der nordöstlichen Spitze Australiens, in Neu-Guinea, im mittleren Amerika und im grofsen Ozean sichtbar.

II. Ringförmige Sonnenfinsternis 1908 Juni 28,

unsichtbar in Berlin.

Elemente der Finsternis

nach wahrer Berliner Zeit τ.

	3h 13m 24s.2	4h 25m 23s.6	5h 37m 23s.0	6h 49m 22s.4	8h 1m 21s.8
τ	48°.3510	66°.3484	84°.3458	102°.3432	120°.3407
λ ☾	95° 26′ 7″.5	96° 2′ 45″.6	96° 39′ 22″.2	97° 15′ 57″.2	97° 52′ 30″.8
β ☾	+ 0 1 35.1	+ 0 4 58.5	+ 0 8 21.7	+ 0 11 44.7	+ 0 15 7.5
π ☾	0 54 55.7	0 54 54.5	0 54 53.4	0 54 52.3	0 54 51.2
Δα′ ⊙	− 0 0 10.37	− 0 0 4.54	+ 0 0 1.29	+ 0 0 7.12	+ 0 0 12.95
δ′ ⊙	+23 17 38.0	+23 17 29.4	+23 17 20.7	+23 17 11.9	+23 17 3.1
N'	87 3 4.6	87 4 17.1	87 5 31.8	87 6 47.4	87 8 2.6
γ	+0.138793	+0.138794	+0.138796	+0.138799	+0.138802
u'_a	+0.560352	+0.560486	+0.560592	+0.560669	+0.560716
u'_i	−0.013876	−0.014009	−0.014115	−0.014192	−0.014238
$\log \sin f_a$	7.662699	7.662699	7.662699	7.662699	7.662699
$\log \sin f_i$	7.660529_n	7.660528_n	7.660528_n	7.660528_n	7.660528_n
$\log n$	9.712851	9.712858	9.712848	9.712821	9.712773
μ	80°.1140	80°.1141	80°.1141	80°.1139	80°.1135
k	87° 17′ 30″.6	87° 18′ 37″.0	87° 19′ 45″.4	87° 20′ 54″.6	87° 22′ 3″.6
g	23 28 9.8	23 27 53.0	23 27 35.8	23 27 18.3	23 27 0.6
K	88 49 59.0	88 50 28.2	88 50 58.2	88 51 28.5	88 51 58.8
G	82 34 42.7	82 37 41.0	82 40 44.7	82 43 50.8	82 46 56.0

	Mittl. Zeit Berlin	O. L. Gr.	Breite
Beginn der Finsternis überhaupt . .	2h 22m.7	246° 40′	+ 1° 42′
Beginn der ringförmigen Finsternis .	3 26.7	229 44	+ 4 16
Beginn der zentralen Finsternis . .	3 28.3	229 32	+ 4 28
Zentrale Finsternis im wahren Mittag	5 24.3	293 5	+31 27
Ende der zentralen Finsternis . . .	7 18.5	359 24	+ 9 49
Ende der ringförmigen Finsternis . .	7 20.2	359 10	+ 9 36
Ende der Finsternis überhaupt . . .	8 24.1	342 3	+ 7 2

Grenzkurven für die Sichtbarkeit der Finsternis.

Nördl. Grenze		Östl. Grenze		Südl. Grenze		Westl. Grenze	
O. L. Gr.	Br.	O. L. Gr.	Br.	O. L. Gr.	Br.	O. L. Gr.	Br.
202° 32′	+37° 11′	28° 0′	+42° 10′	345° 15′	−19° 51′	244° 0′	−25° 9′
215 52	43 44	28 13	36 35	329 44	12 41	230 44	20 37
231 30	52 9	24 15	27 38	319 52	8 2	223 38	12 31
246 8	58 57	20 41	20 18	311 48	4 32	219 5	5 36
260 59	63 42	18 7	15 9	305 12	2 20	216 13	− 0 36
276 20	66 32	16 15	11 29	299 42	1 20	214 18	+ 3 0
292 3	67 46	14 37	8 22	294 44	1 23	212 41	6 8
307 56	67 37	12 40	+ 4 46	289 39	2 29	210 53	9 48
323 46	66 3	9 48	− 0 14	283 48	4 45	208 27	14 59
339 22	62 50	5 18	7 10	276 43	8 18	205 9	22 23
354 51	57 40	358 22	15 18	268 2	13 4	201 45	31 28
10 47	50 27	345 15	−19 51	257 35	18 41	202 32	+37 11
28 0	+42 10			244 0	−25 9		

Kurve der zentralen Verfinsterung.

Mittl. Berl. Zeit	O. L. Gr.	Br.	Dauer der ringförmigen Verfinsterung
3h 28.3m	229° 32′	+ 4° 28′	
3 34.3	245 34	12 5	3m 16s
3 48.5	257 1	18 12	3 25
4 8.7	266 58	23 25	3 35
4 32.6	276 0	27 26	3 45
4 58.2	284 36	30 7	3 52
5 24.3	293 5	31 27	3 55
5 50.0	301 39	31 26	3 53
6 14.6	310 29	30 4	3 46
6 37.4	319 47	27 21	3 37
6 56.9	329 55	23 18	3 27
7 11.2	341 21	18 4	3 18
7 18.5	359 24	+ 9 49	

Die Sichtbarkeit der Finsternis erstreckt sich daher über den östlichen Teil des grofsen Ozeans, über Nordamerika mit Ausnahme der Polargebiete, über die nördlichen Küstengebiete Südamerikas, den nördlichen Teil des atlantischen Ozeans, das nordwestliche Afrika und die südwestliche Hälfte Europas.

In Deutschland werden nur diejenigen Orte von der Finsternis berührt, die südwestlich einer Linie liegen, welche in der Nähe der Orte Münster, Arolsen, Meiningen, Baireuth vorübergeht.

III. Ringförmige Sonnenfinsternis 1908 Dezember 22–23,

unsichtbar in Berlin.

Elemente der Finsternis

nach wahrer Berliner Zeit τ.

	22h 3m 8s.4	23h 15m 6s.9	0h 27m 5s.4	1h 39m 3s.9	2h 51m 2s.4
τ	330°.7851	348°.7789	6°.7726	24°.7663	42°.7601
λ☾	269° 42′ 43″.9	270° 24′ 52″.3	271° 7′ 3″.2	271° 49′ 16″.7	272° 31′ 32″.8
β☾	— 0 20 48.2	— 0 24 41.4	— 0 28 34.6	— 0 32 27.7	— 0 36 20.8
π☾	0 58 54.8	0 58 56.6	0 58 58.3	0 59 0.1	0 59 1.8
Δα′☉	— 0 0 14.50	— 0 0 8.01	— 0 0 1.51	+ 0 0 4.99	+ 0 0 11.49
δ′☉	—23 26 42.5	—23 26 40.3	—23 26 38.1	—23 26 35.8	—23 26 33.4
N'	95 8 42.0	95 7 13.1	95 5 43.8	95 4 14.2	95 2 44.6
γ	—0.499015	—0.499009	—0.499002	—0.498995	—0.498988
u'_a	+0.549858	+0.549780	+0.549667	+0.549520	+0.549340
u'_i	—0.003433	—0.003356	—0.003244	—0.003097	—0.002917
log sin f_a	7.677071	7.677072	7.677073	7.677073	7.677074
log sin f_i	7.674901$_n$	7.674901$_n$	7.674902$_n$	7.674902$_n$	7.674903$_n$
log n	9.746200	9.746248	9.746278	9.746292	9.746290
μ	9°.7399	9°.7403	9°.7409	9°.7416	9°.7425
k	94° 43′ 9″.2	94° 41′ 47″.8	94° 40′ 26″.0	94° 39′ 3″.9	94° 37′ 41″.9
g	23 58 18.9	23 57 58.7	23 57 38.5	23 57 18.3	23 56 58.1
K	87 56 54.0	87 57 29.7	87 58 5.6	87 58 41.7	87 59 17.8
G	257 14 54.9	257 18 28.0	257 22 2.4	257 25 37.5	257 29 12.6

	Mittl. Zeit Berlin	O. L. Gr.	Breite
Beginn der Finsternis überhaupt . .	22h 0m.2	306° 48′	—12° 15′
Beginn der ringförmigen Finsternis .	23 4.5	285 48	—22 20
Beginn der zentralen Finsternis . .	23 4.9	285 53	—22 35
Zentrale Finsternis im wahren Mittag	0 42.9	2 27	—53 46
Ende der zentralen Finsternis . . .	2 11.3	86 35	—31 39
Ende der ringförmigen Finsternis . .	2 11.7	86 44	—31 27
Ende der Finsternis überhaupt . . .	3 16.0	65 1	—21 31

Grenzkurven für die Sichtbarkeit der Finsternis.

Westl. Grenze		Nördl. Grenze		Östl. Grenze	
O. L. Gr.	Br.	O. L. Gr.	Br.	O. L. Gr.	Br.
174° 45′	−66° 14′	305° 44′	+7° 6′	65° 39′	−2° 18′
193 33	65 39	322 20	−1 1	72 20	2 49
219 25	60 59	333 20	7 11	79 51	8 1
232 56	56 7	342 39	12 29	87 37	16 2
243 47	50 8	350 43	16 36	95 30	25 15
253 5	42 57	357 58	19 25	103 45	34 38
261 23	34 41	4 46	21 0	112 47	43 26
269 4	25 34	11 33	21 27	123 10	51 11
276 30	16 0	18 44	20 45	135 29	57 33
283 57	−6 39	26 40	18 50	150 24	62 18
291 34	+1 24	35 40	15 38	168 43	65 19
299 4	6 35	46 3	11 11	176 24	−65 50
305 44	+7 6	65 39	−2 18		

Kurve der zentralen Verfinsterung.

Mittl. Berl. Zeit	O. L. Gr.	Br.	Dauer der ringf. bezw. totalen Verfinsterung
23h 4.9m	285° 53′	−22° 35′	
23 9.4	300 49	29 51	0m 26s r.
23 23.1	314 23	37 22	0 12 »
23 42.2	326 38	43 48	0 0 t.
0 2.9	338 27	48 43	0 9 »
0 23.4	350 20	52 0	0 14 »
0 42.9	2 27	53 46	0 15 »
1 1.5	14 49	54 6	0 13 »
1 19.3	27 22	53 2	0 7 »
1 36.4	40 5	50 30	0 1 r.
1 52.1	53 9	46 24	0 11
2 4.7	67 1	40 41	0 23 »
2 11.3	86 35	−31 39	

Die Finsternis wird demnach in Südamerika, mit Ausnahme des nordwestlichen Teils, in Südafrika und auf Madagaskar, im südlichen Teil des Atlantischen Ozeans und in den südlichen Polargegenden zu sehen sein.

Verzeichnis von Fixsternen, welche im Jahre 1908 vom Monde bedeckt werden.

Nr.	Name	Gr.	Mittl. AR. 1908.0	Mittl. Dekl. 1908.0
			h m s	° ′ ″
1	33 Piscium	5.0	0 0 37.61	− 6 13 20.0
2	20 Ceti	5.2	0 48 18.30	− 1 38 36.8
3	*f* Piscium	5.2	1 13 3.16	+ 3 7 48.6
4	ν Piscium	4.5	1 36 38.53	+ 5 1 20.1
5	ξ^1 Ceti	4.3	2 8 7.32	+ 8 24 55.4
6	ξ Arietis	5.3	2 19 53.02	+10 11 39.3
7	ξ^2 Ceti	4.2	2 23 15.94	+ 8 2 52.9
8	38 Arietis	5.0	2 39 56.67	+12 3 32.6
9	μ Ceti	4.2	2 39 58.00	+ 9 43 33.9
10	ω^2 Tauri	5.5	4 11 52.11	+20 21 9.9
11	δ^1 Tauri	3.8	4 17 37.64	+17 19 38.1
12	δ^3 Tauri	5.0	4 20 9.89	+17 43 4.7
13	ε Tauri	3.5	4 23 14.57	+18 58 37.0
14	*i* Tauri	5.4	4 45 59.44	+18 41 1.9
15	ι Tauri	4.8	4 57 35.73	+21 27 32.9
16	*l* Tauri	5.5	5 2 21.68	+20 17 50.6
17	ζ Tauri	3.0	5 32 8.75	+21 5 13.2
18	132 Tauri	5.4	5 43 22.18	+24 32 14.1
19	1 Geminorum . .	5.0	5 58 31.68	+23 16 7.9
20	η Geminorum . .	3.3	6 9 19.47	+22 32 2.8
21	μ Geminorum . .	2.9	6 17 23.71	+22 33 41.2
22	ε Geminorum . .	3.1	6 38 16.37	+25 13 22.2
23	δ Geminorum . .	3.3	7 14 37.79	+22 9 8.5
24	*A* Geminorum . .	5.5	7 17 52.05	+25 13 40.5
25	κ Geminorum . .	3.4	7 38 53.72	+24 37 9.1
26	μ^2 Cancri	5.5	8 2 21.14	+21 50 57.0
27	γ Cancri	4.4	8 37 57.86	+21 47 59.4
28	η Leonis	3.4	10 2 19.12	+17 12 41.7
29	ι Leonis	4.0	11 19 7.75	+11 2 9.8
30	ξ Virginis	4.6	11 40 32.57	+ 8 46 10.4

Verzeichnis von Fixsternen, welche im Jahre 1908 vom Monde bedeckt werden.

Nr.	Name	Gr.	Mittl. AR. 1908.0	Mittl. Dekl. 1908.0
			h m s	° ′ ″
31	ν Virginis	4.4	11 41 7.88	+ 7 2 42.0
32	π Virginis	4.4	11 56 9.51	+ 7 7 38.4
33	*c* Virginis	5.0	12 15 40.62	+ 3 49 29.6
34	γ Librae	4.1	15 30 22.67	—14 28 59.4
35	ϑ Librae	4.7	15 48 35.10	—16 27 35.3
36	β Scorpii	2.6	16 0 5.11	—19 33 15.2
37	ν Scorpii	4.0	16 6 38.74	—19 13 20.1
38	ψ Ophiuchi	5.0	16 18 43.09	—19 49 21.3
39	ω Ophiuchi	5.0	16 26 40.88	—21 16 12.0
40	ξ Ophiuchi	5.0	17 15 29.37	—21 0 52.1
41	58 Ophiuchi	5.0	17 37 55.02	—21 38 20.3
42	4 Sagittarii	5.0	17 54 10.52	—23 48 29.6
43	μ Sagittarii	3.9	18 8 15.67	—21 5 0.7
44	ν^1 Sagittarii	5.0	18 48 36.96	—22 51 31.0
45	ν^2 Sagittarii	5.0	18 49 33.47	—22 47 12.1
46	ο Sagittarii	4.0	18 59 10.22	—21 52 36.5
47	h^1 Sagittarii	5.5	19 30 26.59	—24 55 15.3
48	h^2 Sagittarii	4.6	19 31 6.59	—25 5 13.9
49	η Capricorni . . .	5.4	20 59 10.26	—20 13 9.6
50	ε Capricorni . . .	4.7	21 31 55.85	—19 52 43.1
51	γ Capricorni . . .	3.6	21 34 59.73	—17 4 41.5
52	κ Capricorni . . .	5.2	21 37 31.35	—19 17 9.4
53	δ Capricorni . . .	2.8	21 41 57.87	—16 32 42.5
54	τ Aquarii	4.0	22 44 43.32	—14 4 42.2
55	ψ^1 Aquarii	4.7	23 11 4.36	— 9 35 20.3
56	ψ^2 Aquarii	4.7	23 13 7.38	— 9 41 5.2
57	ψ^3 Aquarii	5.0	23 14 10.60	—10 6 50.0
58	30 Piscium	4.8	23 57 14.52	— 6 31 31.3

Elemente der Sternbedeckungen 1908.

Nr.	Zeit der Konj. in AR.	q	p'	q'
	Jan.			
	d h m			
51	5 23 13.4	−0.5999	5949	+1534
53	6 1 59.2	−0.6958	5926	+1586
55	7 15 19.0	−0.6790	5628	+2088
56	7 16 13.3	−0.3937	5621	+2096
57	7 16 41.2	+0.1369	5618	+2100
58	8 12 11.0	+0.7193	5486	+2215
1	8 13 45.1	+0.7582	5479	+2220
2	9 12 20.8	+1.1228	5371	+2246
3	10 0 22.5	−1.1550	5335	+2222
4	10 11 58.4	−0.5920	5310	+2176
5	11 3 34.2	−0.8592	5296	+2080
7	11 11 5.5	+1.0755	5296	+2022
9	11 19 23.0	+0.9348	5300	+1949
11	13 19 13.4	+0.7408	5390	+1349
12	13 20 26.7	+0.4781	5393	+1330
13	13 21 55.5	−0.7020	5398	+1307
14	14 8 48.3	+0.9460	5424	+1130
16	14 16 34.7	+0.0029	5440	+0996
17	15 6 36.8	+0.3554	5470	+0741
20	15 23 59.2	−0.2424	5491	+0408
21	16 3 44.7	−0.1334	5495	+0334
♆	16 22 3.6	+0.8070	5509	−0031
23	17 6 23.3	+0.5064	5490	−0195
26	18 4 48.2	−0.0821	5452	−0627
31	22 18 40.3	+0.3726	5146	−2031
32	23 2 36.4	−1.3457	5140	−2074
33	23 12 55.2	+0.0945	5140	−2118
34	27 13 26.1	−0.3729	5590	−1751
35	27 21 27.2	+0.2986	5658	−1641
40	29 9 18.3	+0.1520	5964	−0965
41	29 18 0.9	+0.0249	6030	−0757
43	30 5 32.5	−1.2272	6101	−0461
44	30 20 32.6	+0.1479	6166	−0047
45	30 20 53.4	+0.0755	6166	−0038
	Febr.			
55	4 1 23.8	−0.6074	5729	+2134

Nr.	Zeit der Konj. in AR.	q	p'	q'
	Febr.			
	d h m			
56	4 2 16.3	−0.3255	5725	+2142
57	4 2 43.4	+0.1972	5721	+2146
58	4 21 32.4	+0.7840	5595	+2265
1	4 23 3.2	+0.8232	5588	+2271
2	5 20 50.5	+1.1962	5474	+2294
3	6 8 27.5	−1.0388	5429	+2266
4	6 19 40.9	−0.4808	5395	+2214
5	7 10 49.4	−0.7408	5369	+2111
7	7 18 8.9	+1.1692	5360	+2048
9	8 2 14.6	+1.0330	5358	+1970
11	10 1 22.4	+0.8380	5398	+1348
12	10 2 35.1	+0.5764	5401	+1328
13	10 4 3.3	−0.5977	5401	+1304
14	10 14 52.6	+1.0377	5420	+1124
16	10 22 37.5	+0.0952	5431	+0989
17	11 12 38.9	+0.4380	5454	+0733
19	12 1 0.1	−1.2070	5466	+0497
20	12 6 2.7	−0.1707	5471	+0399
21	12 9 48.7	−0.0647	5472	+0325
♆	13 2 51.7	+0.7814	5483	−0014
23	13 12 32.4	+0.5519	5471	−0204
26	14 11 1.0	−0.0593	5440	−0636
31	19 0 34.5	+0.2554	5168	−2052
33	19 18 45.9	−0.0447	5159	−2137
34	23 20 19.8	−0.5696	5516	−1728
35	24 4 34.3	+0.1138	5574	−1615
40	25 17 36.6	−0.0110	5849	−0939
41	26 2 38.3	−0.1317	5911	−0734
44	27 6 7.6	+0.0257	6048	−0033
45	27 6 29.1	−0.0472	6049	−0024
46	27 10 8.5	−0.9470	6060	+0075
♅	27 13 41.1	+0.1119	6053	+0169
49	29 7 37.7	+0.5324	6036	+1264
	März			
3	4 18 38.5	−0.8552	5513	+2316
4	5 5 32.8	−0.2867	5485	+2264

Elemente der Sternbedeckungen 1908.

Nr.	Zeit der Konj. in AR.	q	p'	q'
	März			
	d h m			
5	5 20 14.0	−0.5240	5458	+2158
6	6 1 44.9	−1.1905	5450	+2108
8	6 11 10.4	−1.1945	5444	+2011
9	6 11 11.0	+1.2405	5444	+2011
11	8 9 1.5	+1.0690	5455	+1363
12	8 10 12.6	+0.8104	5456	+1343
13	8 11 38.8	−0.3512	5456	+1318
14	8 22 14.6	+1.2665	5465	+1133
15	9 3 38.3	−1.1535	5470	+1034
16	9 5 51.0	+0.3304	5470	+0993
17	9 19 39.4	+0.6650	5478	+0731
19	10 7 51.9	−0.9736	5479	+0491
20	10 12 51.7	+0.0493	5480	+0391
21	10 16 35.8	+0.1517	5479	+0317
♆	11 8 48.6	+0.9264	5474	−0009
23	11 19 11.4	+0.7399	5458	−0215
26	12 17 38.7	+0.1024	5421	−0649
♃	13 5 0.2	+1.2408	5421	−0863
27	13 10 40.3	−1.2130	5384	−0957
31	17 7 1.3	+0.2022	5188	−2083
33	18 1 3.3	−0.1378	5186	−2171
34	22 1 53.6	−0.8222	5520	−1740
35	22 10 9.2	−0.1421	5569	−1623
40	23 23 34.6	−0.2738	5800	−0932
41	24 8 46.4	−0.3930	5848	−0724
44	25 12 56.9	−0.2155	5953	−0025
45	25 13 19.1	−0.2892	5953	−0015
46	25 17 5.1	−1.1990	5961	+0083
♅	25 22 13.2	−0.1867	5962	+0216
49	27 16 5.3	+0.3688	5921	+1260
51	28 6 27.5	−0.7386	5870	+1563
53	28 9 17.2	−0.8204	5858	+1618
	April			
8	2 21 12.5	−0.9890	5500	+2052
12	4 19 14.7	+1.0693	5526	+1370

Nr.	Zeit der Konj. in AR.	q	p'	q'
	April			
	d h m			
13	4 20 38.9	−0.0801	5526	+1346
15	5 12 16.6	−0.8626	5534	+1053
16	5 14 26.4	+0.6093	5534	+1011
17	6 3 57.3	+0.9484	5534	+0742
19	6 15 55.8	−0.6777	5526	+0496
20	6 20 50.3	+0.3412	5524	+0345
21	7 0 30.7	+0.4430	5519	+0319
♆	7 16 33.3	+1.1957	5491	−0013
23	8 2 45.3	+1.0235	5476	−0221
26	9 1 2.7	+0.3766	5419	−0658
27	9 18 1.2	−0.9506	5369	−0966
28	11 11 37.4	−1.2830	5250	−1604
31	13 14 29.9	+0.2967	5180	−2104
33	14 8 29.0	−0.0873	5188	−2198
34	18 8 5.3	−0.9932	5573	−1776
35	18 16 12.5	−0.3314	5622	−1657
37	19 0 7.0	+1.2710	5671	−1528
38	19 5 19.6	+1.1180	5704	−1435
40	20 5 5.8	−0.5098	5834	−0948
41	20 14 12.6	−0.6367	5874	−0736
42	20 20 44.5	−1.1542	5898	−0578
44	21 18 18.0	−0.4734	5943	−0027
45	21 18 40.2	−0.5474	5943	−0017
♅	22 4 5.4	−0.4583	5949	+0229
49	23 22 3.6	+0.1286	5846	+1254
51	24 12 46.2	−0.9772	5782	+1553
53	24 15 40.3	−1.0575	5769	+1607
55	26 6 4.6	−0.7660	5596	+2152
56	26 6 59.3	−0.4723	5592	+2160
57	26 7 27.5	+0.0634	5590	+2165
58	27 2 53.7	+0.7900	5526	+2307
1	27 4 26.6	+0.8402	5522	+2315
2	28 2 27.8	+1.3613	5478	+2365
	Mai			
12	2 4 29.6	+1.2333	5560	+1397

Elemente der Sternbedeckungen 1908.

Nr.	Zeit der Konj. in AR.	q	p'	q'	Nr.	Zeit der Konj. in AR.	q	p'	q'
	Mai					Mai			
	d h m					d h m			
13	2 5 53.0	+0.0892	5561	+1371	3	25 20 41.9	−0.9148	5392	+2333
15	2 21 20.1	−0.6656	5576	+1076	4	26 7 59.7	−0.2592	5392	+2294
16	2 23 28.3	+0.8038	5579	+1034	5	26 23 2.9	−0.3980	5405	+2202
17	3 12 48.2	+1.1587	5580	+0761	6	27 4 39.2	−1.0330	5415	+2157
19	4 0 36.3	−0.4466	5574	+0511	8	27 14 10.3	−0.9738	5431	+2068
20	4 5 26.5	+0.5728	5569	+0408	21	31 17 16.7	+0.7820	5588	+0343
21	4 9 3.8	+0.6777	5564	+0330	♂	31 21 59.6	−1.0638	5295	+0253
26	6 9 1.4	+0.6401	5439	−0659					
27	7 1 53.6	−0.6827	5374	−0969		Juni			
28	8 19 30.2	−1.0328	5228	−1605	26	2 16 56.9	+0.7872	5462	−0656
30	10 22 25.1	−1.3253	5143	−2103	27	3 9 43.8	−0.5251	5394	−0968
31	10 22 43.7	+0.4881	5143	−2105	28	5 3 18.5	−0.8642	5218	−1602
32	11 6 36.9	−1.2798	5144	−2152	29	6 19 17.6	−1.3300	5111	−2010
33	11 16 50.6	+0.0726	5158	−2202	30	7 6 39.7	−1.1728	5100	−2091
34	15 16 2.8	−1.0270	5620	−1812	31	7 6 58.5	+0.6494	5100	−2093
35	16 0 1.3	−0.3870	5679	−1694	32	7 14 58.2	−1.1328	5099	−2140
37	16 7 46.6	+1.1858	5733	−1564	33	8 1 20.8	+0.2198	5109	−2190
38	16 12 52.7	+1.0242	5769	−1471	34	12 1 30.8	−0.9863	5614	−1821
40	17 12 6.0	−0.6250	5911	−0977	35	12 9 27.9	−0.3571	5682	−1707
41	17 20 59.4	−0.7635	5950	−0761	37	12 17 10.4	+1.1987	5748	−1579
42	18 3 21.8	+1.0002	5974	−0599	38	12 22 13.9	+1.0310	5789	−1488
44	19 0 25.0	−0.6357	6017	−0038	40	13 21 8.7	−0.6337	5964	−0996
45	19 0 46.7	−0.7096	6017	−0028	41	14 5 52.2	−0.7793	6016	−0779
⛢	19 9 27.3	−0.5884	6024	+0209	42	14 12 6.5	+0.9600	6045	−0616
49	21 3 22.4	−0.0720	5866	+1257	44	15 8 38.6	−0.6769	6106	−0047
51	21 18 1.3	−1.1798	5782	+1555	45	15 8 59.8	−0.7500	6106	−0037
52	21 19 4.2	+1.2157	5777	+1574	⛢	15 16 6.3	−0.5535	6122	+0167
53	21 20 55.3	−1.2600	5764	+1608	49	17 10 8.0	−0.1547	5958	+1271
54	22 23 51.4	+1.1585	5606	+2015	51	18 0 23.3	−1.2560	5861	+1573
55	23 11 36.8	−0.9578	5548	+2142	52	18 1 24.7	+1.1108	5854	+1593
56	23 12 32.3	−0.6620	5542	+2150	54	19 5 34.8	+1.0510	5652	+2032
57	23 13 0.9	−0.1225	5539	+2154	55	19 17 9.6	−1.0500	5580	+2156
58	24 8 47.7	+0.6289	5460	+2293	56	19 18 4.4	−0.7561	5574	+2164
1	24 10 22.4	+0.6816	5455	+2300	57	19 18 32.6	−0.2202	5569	+2168
2	25 8 52.8	+1.2385	5404	+2348	58	20 14 9.1	+0.5306	5468	+2298

Elemente der Sternbedeckungen 1908.

Nr.	Zeit der Konj. in AR.	q	p'	q'	Nr.	Zeit der Konj. in AR.	q	p'	q'
	Juni					Juli			
	d h m					d h m			
1	20 15 43.4	+0.5836	5460	+2305	58	17 20 54.1	+0.5560	5545	+2333
2	21 14 13.4	+1.1502	5384	+2345	1	17 22 25.9	+0.6090	5536	+2340
3	22 2 6.4	—0.9989	5362	+2325	2	18 20 23.4	+1.1757	5440	+2371
4	22 13 30.1	—0.3365	5354	+2283	3	19 8 2.9	—0.9500	5408	+2345
5	23 4 44.1	—0.4672	5358	+2189	4	19 19 16.2	—0.2931	5385	+2297
6	23 10 25.0	—1.1012	5365	+2144	5	20 10 20.4	—0.4229	5372	+2195
8	23 20 4.6	—1.0368	5380	+2054	6	20 15 58.7	—1.0548	5374	+2148
12	25 19 18.2	+1.2533	5498	+1403	8	21 1 35.4	—0.9922	5380	+2052
13	25 20 43.3	+0.1009	5502	+1378	12	23 0 55.7	+1.2873	5466	+1392
27	30 16 57.9	—0.5015	5409	—0969	13	23 2 21.4	+0.1327	5470	+1367
					15	23 18 12.3	—0.6026	5505	+1079
	Juli				16	23 20 23.4	+0.8858	5509	+1037
28	2 10 31.7	—0.8370	5221	—1604	17	24 9 59.1	+1.2627	5532	+0768
29	4 2 43.2	—1.3100	5092	—2005	19	24 21 57.9	—0.3412	5544	+0520
30	4 14 12.6	—1.1542	5073	—2082	20	25 2 51.5	+0.6913	5546	+0417
31	4 14 31.6	+0.6799	5073	—2084	21	25 6 30.9	+0.8008	5546	+0340
32	4 22 37.5	—1.1152	5065	—2127	30	31 20 47.7	—1.2606	5069	—2086
33	5 9 9.2	+0.2449	5065	—2172	31	31 21 6.8	+0.5819	5069	—2088
34	9 11 17.4	—0.9882	5556	—1804					
35	9 19 22.3	—0.3557	5631	—1692		Aug.			
37	10 3 11.5	+1.2072	5700	—1567	32	1 5 15.7	—1.2278	5057	—2130
38	10 8 18.9	+1.0375	5745	—1477	33	1 15 52.6	+0.1335	5048	—2171
40	11 7 23.9	—0.6323	5946	—0993	34	5 20 0.1	—1.1195	5470	—1773
41	11 16 8.0	—0.7766	6013	—0779	35	6 4 18.8	—0.4743	5540	—1661
42	11 22 21.6	+0.9598	6051	—0616	37	6 12 21.2	+1.1130	5610	—1538
44	12 18 44.5	—0.6693	6137	—0046	38	6 17 37.1	+0.9450	5658	—1449
45	12 19 5.4	—0.7418	6141	—0036	40	7 17 18.3	—0.7248	5864	—0972
♅	13 0 23.4	—0.4436	6168	+0120	41	8 2 14.5	—0.8612	5933	—0760
49	14 19 12.3	—0.1404	6049	+1294	42	8 8 35.8	+0.8970	5981	—0599
51	15 9 2.3	—1.2227	5960	+1602	44	9 5 18.8	—0.7210	6093	—0034
52	15 10 1.8	+1.1108	5951	+1622	45	9 5 39.9	—0.7934	6094	—0024
53	15 11 46.8	—1.3010	5939	+1657	♅	9 9 24.3	—0.3984	6120	+0084
54	16 13 18.4	+1.0592	5753	+2071	49	11 5 52.5	—0.1241	6074	+1314
55	17 0 31.5	—1.0076	5673	+2194	51	11 19 32.7	—1.1777	6006	+1629
56	17 1 24.6	—0.7175	5666	+2204	52	11 20 31.3	+1.1398	6000	+1650
57	17 1 51.9	—0.1893	5662	+2207	53	11 22 14.6	—1.2513	5991	+1686

Elemente der Sternbedeckungen 1908.

Nr.	Zeit der Konj. in AR.	q	p'	q'
	Aug.			
	d h m			
54	12 23 14.7	+1.1237	5831	+2113
55	13 10 10.0	—0.9012	5761	+2242
56	13 11 1.7	—0.6139	5753	+2250
57	13 11 28.2	—0.0922	5750	+2254
58	14 5 56.3	+0.6673	5640	+2385
1	14 7 25.2	+0.7209	5631	+2391
2	15 4 40.4	+1.3023	5535	+2421
3	15 15 57.5	—0.7810	5495	+2391
4	16 2 50.0	—0.1269	5470	+2338
5	16 17 28.0	—0.2482	5448	+2228
6	16 22 57.2	—0.8701	5444	+2177
8	17 8 19.4	—0.8074	5440	+2079
13	19 8 15.6	+0.2932	5486	+1366
15	19 23 59.0	—0.4488	5505	+1072
16	20 2 9.4	+1.0312	5509	+1030
19	21 3 40.1	—0.2133	5529	+0509
20	21 8 33.9	+0.8126	5529	+0405
21	21 12 13.6	+0.9182	5529	+0328
26	23 12 27.1	+0.8514	5449	—0675
27	24 5 19.9	—0.5002	5394	—0989
33	28 21 49.9	—0.0237	5060	—2192
	Sept.			
35	2 11 25.3	—0.7161	5471	—1641
37	2 19 40.1	+0.8954	5534	—1516
38	3 1 4.6	+0.7280	5574	—1426
40	4 1 28.2	—0.9482	5764	—0948
41	4 10 41.5	—1.0778	5829	—0738
42	4 17 15.2	+0.7152	5874	—0579
44	5 14 38.0	—0.8984	5986	—0020
45	5 14 59.8	—0.9716	5990	—0010
♅	5 17 48.2	—0.5143	6004	+0067
49	7 16 26.7	—0.2024	6011	+1322
51	8 6 19.2	—1.2305	5965	+1641
52	8 7 18.5	+1.1010	5961	+1662
53	8 9 3.0	—1.2975	5954	+1699

Nr.	Zeit der Konj. in AR.	q	p'	q'
	Sept.			
	d h m			
54	9 10 10.6	+1.1432	5831	+2138
55	9 21 3.5	—0.8496	5777	+2273
56	9 21 54.9	—0.5611	5773	+2282
57	9 22 21.3	—0.0404	5769	+2287
58	10 16 37.4	+0.7602	5686	+2428
1	10 18 4.9	+0.8168	5681	+2436
3	12 1 56.0	—0.5988	5576	+2445
4	12 12 30.7	+0.0679	5554	+2391
5	13 2 42.9	—0.0287	5536	+2280
6	13 8 2.1	—0.6343	5534	+2227
8	13 17 6.9	—0.5610	5531	+2124
13	15 15 39.6	+0.5521	5554	+1384
15	16 7 0.7	—0.1825	5559	+1081
16	16 9 8.3	+1.2818	5561	+1037
19	17 10 11.8	+0.0388	5555	+0505
20	17 15 1.6	+1.0542	5551	+0399
21	17 18 38.5	+1.1572	5551	+0321
26	19 18 33.7	+1.0430	5436	—0687
27	20 11 25.7	—0.3302	5376	—1003
28	22 5 9.5	—0.8442	5218	—1649
35	29 17 6.1	—0.9830	5459	—1648
37	30 1 24.5	+0.6336	5513	—1519
38	30 6 52.0	+0.4629	5549	—1427
	Okt.			
40	1 7 36.7	—1.2333	5710	—0942
42	1 23 43.7	+0.4531	5802	—0571
44	2 21 41.0	—1.1717	5891	—0014
45	2 22 3.5	—1.2453	5893	—0004
♅	3 0 51.0	—0.7802	5896	+0069
47	3 14 12.5	+1.2743	5924	+0425
49	5 1 10.0	—0.4016	5897	+1315
50	5 14 16.7	+1.1740	5857	+1607
52	5 16 32.1	+0.9504	5851	+1653
54	6 20 11.7	+1.0532	5749	+2135
55	7 7 19.9	—0.9314	5710	+2274

Elemente der Sternbedeckungen 1908.

Nr.	Zeit der Konj. in AR. (d h m)	q	p'	q'
	Okt.			
56	7 8 12.3	−0.6377	5706	+2284
57	7 8 39.3	−0.1105	5704	+2288
58	8 3 13.7	+0.7470	5646	+2440
1	8 4 42.3	+0.8080	5643	+2448
3	9 12 41.6	−0.5186	5585	+2478
4	9 23 12.7	+0.1760	5579	+2429
5	10 13 15.5	+0.1161	5581	+2322
6	10 18 30.0	−0.4731	5584	+2271
8	11 3 25.3	−0.3793	5589	+2168
13	13 0 50.9	+0.7984	5635	+1416
15	13 15 47.1	+0.0871	5641	+1104
19	14 18 16.4	+0.3216	5621	+0513
22	15 11 42.3	−1.2340	5585	+0117
25	16 14 52.0	−1.0882	5495	−0476
27	17 18 22.0	−0.0617	5376	−1014
28	19 11 59.4	−0.6237	5196	−1660
29	21 4 14.9	−1.3637	5086	−2072
30	21 15 44.9	−1.2890	5073	−2151
31	21 16 3.9	+0.5441	5073	−2153
32	22 0 10.3	−1.3103	5068	−2198
33	22 10 43.1	−0.0212	5070	−2244
35	26 22 55.2	−1.1460	5503	−1679
36	27 4 9.7	+1.2677	5536	−1597
37	27 7 7.4	+0.4506	5555	−1547
38	27 12 31.0	+0.2730	5589	−1454
39	27 16 2.3	+1.2953	5611	−1388
42	29 5 5.4	+0.2235	5811	−0580
♂	30 7 16.0	−1.0835	5866	+0088
47	30 19 47.4	+1.0395	5883	+0422
48	30 20 3.4	+1.2210	5883	+0428
	Nov.			
49	1 7 27.2	−0.6436	5811	+1303
50	1 20 56.2	+0.9642	5761	+1590
52	1 23 15.8	+0.7395	5751	+1636

Nr.	Zeit der Konj. in AR. (d h m)	q	p'	q'
	Nov.			
54	3 3 50.6	+0.8796	5638	+2110
55	3 15 22.2	−1.1170	5599	+2248
56	3 16 16.4	−0.8173	5596	+2258
57	3 16 44.3	−0.2812	5595	+2263
58	4 11 56.4	+0.6263	5546	+2418
1	4 13 27.9	+0.6912	5544	+2427
3	5 22 20.3	−0.5750	5520	+2473
4	6 9 4.1	+0.1526	5526	+2432
5	6 23 19.4	+0.1269	5549	+2332
6	7 4 37.2	−0.4526	5559	+2284
8	7 13 36.6	−0.3365	5574	+2186
10	9 5 57.3	−1.2292	5669	+1542
13	9 10 51.4	+0.9310	5679	+1444
15	10 1 34.9	+0.2455	5696	+1130
18	10 21 6.5	−1.2258	5694	+0682
19	11 3 34.9	+0.5115	5685	+0531
22	11 20 39.7	−1.0160	5650	+0126
24	12 13 57.1	−1.1582	5589	−0272
25	12 23 17.9	−0.8530	5548	−0478
27	14 2 22.8	+0.1750	5408	−1021
28	15 19 41.9	−0.3923	5194	−1664
29	17 12 1.2	−1.1652	5059	−2072
30	17 23 34.6	−1.1045	5044	−2152
31	17 23 53.7	+0.7285	5044	−2154
32	18 8 2.8	−1.1365	5039	−2199
33	18 18 39.0	+0.1372	5040	−2245
42	25 11 28.8	+0.1191	5883	−0599
47	27 1 25.1	+0.8970	5937	+0419
48	27 1 40.8	+1.0778	5938	+0425
49	28 12 43.5	−0.7980	5823	+1304
50	29 2 12.3	+0.8088	5754	+1588
52	29 4 32.3	+0.5840	5741	+1633
54	30 9 24.0	+0.7318	5590	+2096
55	30 21 8.1	−1.2770	5538	+2229
56	30 22 3.5	−0.9738	5534	+2239

Elemente der Sternbedeckungen 1908.

Nr.	Zeit der Konj. in AR.	q	p'	q'	Nr.	Zeit der Konj. in AR.	q	p'	q'
	Nov.					Dez.			
	d h m					d h m			
57	30 22 32.0	−0.4327	5531	+2244	30	15 7 51.5	−1.0087	5019	−2145
	Dez.				31	15 8 10.8	+0.8280	5018	−2147
					32	15 16 23.7	−1.0452	5009	−2190
58	1 18 11.5	+0.4979	5464	+2391	33	16 3 6.0	+0.2279	5002	−2233
1	1 19 45.4	+0.5649	5460	+2400	♀	20 13 30.4	+0.9846	5011	−1619
2	2 17 59.1	+1.3320	5428	+2457	35	20 15 48.8	−1.1400	5548	−1715
3	3 5 35.6	−0.6818	5428	+2444	36	20 20 56.8	+1.2350	5592	−1635
4	3 16 39.0	+0.0688	5435	+2404	37	20 23 50.5	+0.4218	5617	−1587
5	4 7 19.1	+0.0616	5464	+2311	49	25 19 30.3	−0.8065	5916	+1324
6	4 12 45.6	−0.5174	5479	+2264	50	26 8 36.8	+0.7797	5839	+1611
8	4 21 58.9	−0.3876	5504	+2171	52	26 10 53.1	+0.5571	5825	+1657
10	6 15 4.1	−1.2313	5640	+1546	54	27 15 6.9	+0.7072	5641	+2116
13	6 20 1.2	+0.9470	5655	+1450	55	28 2 40.5	−1.2873	5574	+2246
15	7 10 50.8	+0.2738	5690	+1140	56	28 3 35.1	−0.9856	5566	+2254
18	8 6 23.6	−1.1803	5711	+0693	57	28 4 3.2	−0.4478	5565	+2259
19	8 12 50.9	+0.5639	5710	+0540	58	28 23 33.3	+0.4818	5472	+2397
22	9 5 49.5	−0.9484	5686	+0134	1	29 1 6.9	+0.5490	5465	+2403
24	9 22 57.1	−1.0775	5631	−0268	2	29 23 22.6	+1.3230	5402	+2447
25	10 8 11.7	−0.7675	5592	−0477	3	30 11 5.0	−0.6934	5390	+2428
27	11 10 57.6	+0.2703	5450	−1026	4	30 22 16.6	+0.0619	5386	+2384
28	13 3 55.4	−0.2867	5211	−1670	5	31 13 11.1	+0.0569	5402	+2287
29	14 20 14.0	−1.0656	5043	−2070	6	31 18 43.8	−0.5258	5414	+2239

Sternbedeckungen für Berlin 1908.

Tag	Nr.	Name	Eintritt mittl. Zeit	Q_1	Austritt mittl. Zeit	Q_2	Bemerkungen
Jan. 17	23	δ Geminorum	5ʰ 1ᵐ.0	32°.7	5ʰ 36ᵐ.0	319°.0	☾ Aufg. 3ʰ 17ᵐ
Febr. 11	17	ζ Tauri . . .	13 24.7	42.6	14 7.9	313.9	☾ Untg. 16 19
13	23	δ Geminorum	12 52.3	84.1	14 0.7	293.4	☾ i. Mer. 9 38
März 8	12	δ^3 Tauri . . .	10 56.4	129.0	11 36.0	213.2	☾ Untg. 13 4
9	16	l Tauri . . .	5 28.4	30.0	6 25.6	301.3	☉ Untg. 5 51
Mai 4	21	μ Geminorum	9 41.0	80.6	10 35.6	284.8	☾ Untg. 11 47
6	26	μ^2 Cancri . .	9 34.2	81.4	10 32.8	306.3	☾ Untg. 13 18
16	38	ψ Ophiuchi .	12 23.7	121.9	13 35.9	276.0	☾ i. Mer. 12 41
Juni 14	42	4 Sagittarii .	11 24.3	98.3	12 36.9	279.0	☾ i. Mer. 12 23
21	2	20 Ceti	12 34.8	85.1	13 28.6	228.0	☾ Aufg. 12 54
Juli 10	38	ψ Ophiuchi .	7 35.9	139.5	8 39.9	262.5	☉ Untg. 8 19
16	54	τ Aquarii . .	12 5.0	76.1	13 11.8	239.2	☾ Aufg. 10 17
Aug. 8	42	4 Sagittarii .	7 54.7	84.2	9 6.3	292.5	☉ Untg. 7 38
Sept. 8	52	κ Capricorni	5 53.9	99.9	6 50.5	234.2	☾ Aufg. 6 11
9	54	τ Aquarii . .	9 5.1	94.9	10 4.3	217.6	☾ i. Mer. 11 34
10	58	30 Piscium . .	17 9.8	107.2	17 50.4	199.8	☾ Untg. 18 11
15	13	ε Tauri . . .	14 42.0	54.8	15 54.8	262.8	☾ i. Mer. 16 47
Okt. 14	19	1 Geminorum	18 28.8	47.2	19 25.2	309.5	☉ Aufg. 18 26
21	31	ν Virginis . .	14 24.7	109.6	15 21.7	290.3	☾ Aufg. 15 1
27	36	β Scorpii . .	4 55.2	170.8	5 23.0	217.9	☾ Untg. 5 54
Nov. 4	58	30 Piscium . .	12 20.0	66.5	13 21.0	235.9	☾ Untg. 14 38
4	1	33 Piscium . .	14 2.4	95.9	14 49.6	211.6	
9	13	ε Tauri . . .	9 32.8	114.3	10 18.6	202.4	☾ i. Mer. 13 14
30	54	τ Aquarii . .	9 49.3	83.5	10 45.7	223.0	☾ Untg. 10 58
Dez. 8	19	1 Geminorum	12 12.2	99.4	13 27.8	245.7	☾ i. Mer. 12 49

TRABANT I.

Geoz. Obere Konj. Mittlere Zeit		h	m	b/a	Geoz. Obere Konj. Mittlere Zeit		h	m	b/a	Geoz. Obere Konj. Mittlere Zeit		h	m	b/a
Jan.	1	14	57.6	+0.0035	März	21	4	42.2	+0.0066	Juni	8	20	22.9	+0.0037
	3	9	23.8	35		22	23	9.6	67		10	14	52.8	35
	5	3	50.0	35		24	17	37.2	67		12	9	22.8	34
	6	22	16.0	36		26	12	4.9	67		14	3	52.9	32
	8	16	42.2	36		28	6	32.7	67		15	22	22.9	30
	10	11	8.1	36		30	1	0.4	67		17	16	52.9	28
	12	5	34.1	37		31	19	28.3	68		19	11	23.0	27
	14	0	0.0	37	April	2	13	56.3	68		21	5	53.1	25
	15	18	26.0	37		4	8	24.4	68		23	0	23.3	23
	17	12	51.9	38		6	2	52.5	68		24	18	53.4	21
	19	7	17.7	38		7	21	20.6	68		26	13	23.6	19
	21	1	43.7	39		9	15	48.8	68		28	7	53.8	17
	22	20	9.7	40		11	10	17.1	68		30	2	24.1	15
	24	14	35.5	41		13	4	45.5	68	Juli	1	20	54.3	12
	26	9	1.3	42		14	23	13.9	67		3	15	24.5	10
	28	3	27.2	43		16	17	42.4	67		5	9	54.7	08
	29	21	53.1	44		18	12	11.0	66		7	4	25.0	06
	31	16	19.0	45		20	6	39.7	66		8	22	55.2	03
Febr.	2	10	44.9	45		22	1	8.3	66		10	17	25.6	+0.0001
	4	5	10.8	46		23	19	37.1	65		12	11	55.8	−0.0001
	5	23	36.8	47		25	14	6.0	65		14	6	26.2	03
	7	18	2.8	48		27	8	34.9	64		16	0	56.4	05
	9	12	28.9	49		29	3	3.8	64		17	19	26.8	08
	11	6	54.9	49		30	21	32.9	63		19	13	57.1	11
	13	1	21.0	50	Mai	2	16	1.9	62		21	8	27.5	13
	14	19	47.1	51		4	10	31.0	62		23	2	57.8	15
	16	14	13.3	51		6	5	0.1	61		24	21	28.2	18
	18	8	39.5	52		7	23	29.4	60		26	15	58.5	21
	20	3	5.8	53		9	17	58.8	59		28	10	28.8	23
	21	21	32.1	54		11	12	28.1	58		30	4	59.2	25
	23	15	58.5	55		13	6	57.5	58		31	23	29.5	28
	25	10	24.9	56		15	1	26.9	57	Aug.	2	17	59.8	31
	27	4	51.5	57		16	19	56.4	55		4	12	30.2	34
	28	23	17.9	58		18	14	25.9	54		6	7	0.5	37
März	1	17	44.6	59		20	8	55.4	53		8	1	30.9	40
	3	12	11.3	60		22	3	24.9	52		9	20	1.2	43
	5	6	38.1	60		23	21	54.5	51		11	14	31.5	45
	7	1	4.9	61		25	16	24.3	50		13	9	1.9	48
	8	19	31.7	62		27	10	54.0	49		15	3	32.2	50
	10	13	58.7	62		29	5	23.7	47		16	22	2.5	53
	12	8	25.8	63		30	23	53.4	45		18	16	32.8	56
	14	2	52.9	63	Juni	1	18	23.3	43		20	11	3.1	58
	15	21	20.1	64		3	12	53.2	42		22	5	33.4	61
	17	15	47.4	65		5	7	23.1	41		24	0	3.7	64
	19	10	14.8	65		7	1	53.0	39		25	18	34.0	67

TRABANT I. (Fortsetzung.)

Geoz. Obere Konj. Mittlere Zeit	h	m	b/a	Geoz. Obere Konj. Mittlere Zeit	h	m	b/a	Geoz. Obere Konj. Mittlere Zeit	h	m	b/a
Aug. 27	13	4.2	−0.0069	Okt. 9	1	5.1	−0.0142	Nov. 20	12	47.2	−0.0209
29	7	34.5	072	10	19	34.8	145	22	7	15.9	211
31	2	4.8	075	12	14	4.5	148	24	1	44.6	214
Sept. 1	20	35.0	079	14	8	34.2	151	25	20	13.2	216
3	15	5.2	082	16	3	3.8	154	27	14	41.7	219
5	9	35.3	085	17	21	33.4	157	29	9	10.1	221
7	4	5.5	088	19	16	2.9	160	Dez. 1	3	38.4	223
8	22	35.7	091	21	10	32.4	162	2	22	6.8	226
10	17	5.8	094	23	5	1.9	165	4	16	35.1	228
12	11	36.0	096	24	23	31.4	168	6	11	3.3	230
14	6	6.0	099	26	18	0.7	170	8	5	31.4	232
16	0	36.1	102	28	12	30.0	173	9	23	59.4	235
17	19	6.1	106	30	6	59.3	176	11	18	27.4	237
19	13	36.3	109	Nov. 1	1	28.6	179	13	12	55.3	239
21	8	6.3	112	2	19	57.8	182	15	7	23.2	241
23	2	36.3	115	4	14	27.1	185	17	1	51.0	243
24	21	6.3	118	6	8	56.2	187	18	20	18.8	245
26	15	36.2	120	8	3	25.2	189	20	14	46.4	247
28	10	6.1	123	9	21	54.3	192	22	9	14.0	248
30	4	36.0	126	11	16	23.3	194	24	3	41.6	250
Okt. 1	23	5.9	129	13	10	52.2	197	25	22	9.1	251
3	17	35.7	132	15	5	21.0	200	27	16	36.5	253
5	12	5.5	135	16	23	49.8	203	29	11	3.8	254
7	6	35.3	139	18	18	18.6	206	31	5	31.1	255

TRABANT II.

Geoz. Obere Konj. Mittlere Zeit	h	m	b/a	Geoz. Obere Konj. Mittlere Zeit	h	m	b/a	Geoz. Obere Konj. Mittlere Zeit	h	m	b/a
Jan. 2	0	19.7	+0.0035	März 9	9	48.5	+0.0062	Mai 15	21	39.8	+0.0056
5	13	27.9	35	12	22	59.0	63	19	10	59.8	54
9	2	36.2	36	16	12	10.1	64	23	0	20.1	52
12	15	43.7	37	20	1	21.8	66	26	13	40.8	49
16	4	51.5	38	23	14	34.0	66	30	3	1.9	46
19	17	58.5	39	27	3	46.7	67	Juni 2	16	23.2	43
23	7	5.8	40	30	17	0.0	67	6	5	44.9	40
26	20	12.5	42	April 3	6	13.8	68	9	19	6.8	36
30	9	19.5	44	6	19	28.3	68	13	8	28.9	33
Febr. 2	22	26.3	46	10	8	43.1	68	16	21	51.2	29
6	11	33.3	47	13	21	58.7	68	20	11	13.8	26
10	0	40.3	49	17	11	14.7	67	24	0	36.6	22
13	13	47.7	50	21	0	31.3	66	27	13	59.7	18
17	2	55.2	52	24	13	48.2	65	Juli 1	3	22.9	13
20	16	3.1	54	28	3	5.7	64	4	16	46.4	09
24	5	11.3	55	Mai 1	16	23.6	63	8	6	9.9	+0.0004
27	18	19.9	57	5	5	42.1	61	11	19	33.5	−0.0001
März 2	7	29.0	59	8	19	0.8	59	15	8	57.4	05
5	20	38.5	61	12	8	20.1	58	18	22	21.3	10

TRABANT II. (Fortsetzung.)

Geoz. Obere Konj. Mittlere Zeit		h	m	b/a	Geoz. Obere Konj. Mittlere Zeit		h	m	b/a	Geoz. Obere Konj. Mittlere Zeit		h	m	b/a
Juli	22	11	45.5	−0.0014	Sept.	17	10	17.0	−0.0105	Nov.	13	8	22.0	−0.0197
	26	1	9.7	19		20	23	40.8	111		16	21	41.9	203
	29	14	34.1	25		24	13	5.3	117		20	11	2.4	209
Aug.	2	3	58.3	30		28	2	29.0	122		24	0	21.5	214
	5	17	22.8	36	Okt.	1	15	53.1	128		27	13	41.2	219
	9	6	47.2	42		5	5	16.5	135	Dez.	1	2	59.4	223
	12	20	11.8	47		8	18	40.3	142		4	16	18.2	228
	16	9	36.2	52		12	8	3.2	148		8	5	35.4	232
	19	23	0.9	58		15	21	26.7	154		11	18	53.1	237
	23	12	25.4	63		19	10	49.1	159		15	8	9.2	241
	27	1	50.2	69		23	0	12.2	165		18	21	26.0	245
	30	15	14.7	75		26	13	34.2	170		22	10	41.0	248
Sept.	3	4	39.4	81		30	2	56.7	175		25	23	56.6	251
	6	18	3.7	87	Nov.	2	16	18.1	181		29	13	10.5	254
	10	7	28.3	93		6	5	40.0	187		33	2	24.8	257
	13	20	52.4	99		9	19	0.8	192					

TRABANT III.

Geoz. Obere Konj. Mittlere Zeit		h	m	b/a	Geoz. Obere Konj. Mittlere Zeit		h	m	b/a	Geoz. Obere Konj. Mittlere Zeit		h	m	b/a
Jan.	4	13	8.6	+0.0035	Mai	5	1	24.5	+0.0061	Sept.	4	3	31.7	−0.0082
	11	16	27.5	37		12	5	31.2	58		11	7	57.7	094
	18	19	44.0	39		19	9	41.9	54		18	12	22.7	107
	25	22	59.6	42		26	13	54.8	49		25	16	46.7	119
Febr.	2	2	14.7	45	Juni	2	18	10.3	43	Okt.	2	21	9.7	131
	9	5	31.2	48		9	22	27.8	36		10	1	31.0	144
	16	8	48.7	51		17	2	47.1	29		17	5	51.0	156
	23	12	9.0	55		24	7	8.7	22		24	10	8.5	167
März	1	15	32.3	59	Juli	1	11	31.9	13		31	14	23.5	178
	8	18	59.5	62		8	15	57.0	+0.0004	Nov.	7	18	35.5	189
	15	22	31.4	64		15	20	22.4	−0.0005		14	22	44.6	200
	23	2	8.2	66		23	0	48.6	15		22	2	50.7	211
	30	5	50.2	67		30	5	15.1	25		29	6	53.3	221
April	6	9	36.6	68	Aug.	6	9	42.2	37	Dez.	6	10	52.4	230
	13	13	27.3	68		13	14	9.5	48		13	14	46.6	239
	20	17	22.2	66		20	18	37.0	59		20	18	36.5	247
	27	21	21.2	64		27	23	4.8	70		27	22	21.5	253

TRABANT IV.

Geoz. Obere Konj. Mittlere Zeit		h	m	b/a	Geoz. Obere Konj. Mittlere Zeit		h	m	b/a	Geoz. Obere Konj. Mittlere Zeit		h	m	b/a
Jan.	11	13	1.0	+0.0031	Mai	23	22	14.3	+0.0042	Sept.	18	20	21.8	−0.0090
	28	3	10.4	34	Juni	9	17	47.8	31	Okt.	5	16	39.4	116
Febr.	13	17	17.6	40		26	13	47.4	+0.0017		22	12	35.9	141
März	1	7	52.8	46	Juli	13	10	6.1	−0.0001	Nov.	8	8	4.4	164
	17	23	16.9	51		30	6	37.3	21		25	2	54.3	186
April	3	15	39.7	53	Aug.	16	3	14.3	42	Dez.	11	20	57.0	206
	20	9	1.5	52	Sept.	1	23	51.9	65		28	14	4.9	222
Mai	7	3	15.9	49										

TRABANT I.

Eintritte					Austritte					Austritte					Austritte				
		h	m	s			h	m	s			h	m	s			h	m	s
Jan.	1	13	10	20	März	1	19	37	42	Mai	4	12	55	34	Juli	7	6	12	24
	3	7	38	43		3	14	6	23		6	7	24	21		9	0	41	2
	5	2	7	9		5	8	35	12		8	1	53	15		10	19	9	47
	6	20	35	33		7	3	3	56		9	20	22	5		12	13	38	26
	8	15	4	2		8	21	32	44		11	14	51	0		14	8	7	11
	10	9	32	27		10	16	1	27		13	9	19	48		16	2	35	48
	12	4	0	55		12	10	30	17		15	3	48	41		17	21	4	31
	13	22	29	21		14	4	59	3		16	22	17	30					
	15	16	57	53		15	23	27	53		18	16	46	24					
	17	11	26	20		17	17	56	37		20	11	15	10	Eintritte				
	19	5	54	51		19	12	25	29		22	5	44	4	Sept.	17	17	28	5
	21	0	23	19		21	6	54	15		24	0	12	52		19	11	56	31
	22	18	51	52		23	1	23	7		25	18	41	45		21	6	24	55
	24	13	20	23		24	19	51	52		27	13	10	30		23	0	53	23
	26	7	48	56		26	14	20	45		29	7	39	23		24	19	21	45
						28	8	49	33		31	2	8	10		26	13	50	9
Austritte						30	3	18	25	Juni	1	20	37	3		28	8	18	31
						31	21	47	12		3	15	5	47		30	2	46	57
	29	23	1	43	April	2	16	16	6		5	9	34	39	Okt.	1	21	15	18
	31	17	30	16		4	10	44	54		7	4	3	25		3	15	43	41
Febr.	2	11	58	53		6	5	13	48		8	22	32	17		5	10	12	1
	4	6	27	27		7	23	42	35		10	17	1	0		7	4	40	25
	6	0	56	7		9	18	11	30		12	11	29	50		8	23	8	44
	7	19	24	42		11	12	40	18		14	5	58	36		10	17	37	5
	9	13	53	22		13	7	9	13		16	0	27	26		12	12	5	24
	11	8	21	58		15	1	38	0		17	18	56	9		14	6	33	47
	13	2	50	40		16	20	6	55		19	13	24	58		16	1	2	5
	14	21	19	18		18	14	35	45		21	7	53	42		17	19	30	25
	16	15	48	0		20	9	4	40		23	2	22	31		19	13	58	42
	18	10	16	38		22	3	33	27		24	20	51	12		21	8	27	2
	20	4	45	22		23	22	2	23		26	15	20	0		23	2	55	19
	21	23	14	2		25	16	31	12		28	9	48	42		24	21	23	37
	23	17	42	47		27	11	0	7		30	4	17	30		26	15	51	53
	25	12	11	26		29	5	28	55	Juli	1	22	46	10		28	10	20	13
	27	6	40	13		30	23	57	50		3	17	14	56		30	4	48	29
	29	1	8	55	Mai	2	18	26	39		5	11	43	37		31	23	16	46

TRABANT I. (Fortsetzung.)

Eintritte		h	m	s	Eintritte		h	m	s	Eintritte		h	m	s	Eintritte		h	m	s
Nov.	2	17	45	0	Nov.	18	15	59	17	Dez.	4	14	13	19	Dez.	20	12	27	17
	4	12	13	18		20	10	27	31		6	8	41	32		22	6	55	30
	6	6	41	33		22	4	55	45		8	3	9	44		24	1	23	44
	8	1	9	49		23	23	23	57		9	21	37	58		25	19	51	58
	9	19	38	3		25	17	52	12		11	16	6	12		27	14	20	11
	11	14	6	18		27	12	20	26		13	10	34	24		29	8	48	24
	13	8	34	34		29	6	48	39		15	5	2	37		31	3	16	39
	15	3	2	48	Dez.	1	1	16	51		16	23	30	50					
	16	21	31	1		2	19	45	6		18	17	59	4					

TRABANT II.

Eintritte		h	m	s
Jan.	1	21	34	58
	5	10	52	25
	9	0	10	27
	12	13	27	56
	16	2	45	54
	19	16	3	24
	23	5	21	19
	26	18	38	50
Austritte				
	30	10	48	14
Febr.	3	0	5	41
	6	13	23	25
	10	2	40	53
	13	15	58	35
	17	5	16	3
	20	18	33	42
	24	7	51	11
	27	21	8	47
März	2	10	26	16
	5	23	43	50
	9	13	1	19
	13	2	18	51

Austritte		h	m	s
März	16	15	36	20
	20	4	53	49
	23	18	11	17
	27	7	28	45
	30	20	46	12
April	3	10	3	38
	6	23	21	4
	10	12	38	28
	14	1	55	53
	17	15	13	16
	21	4	30	39
	24	17	48	1
	28	7	5	23
Mai	1	20	22	44
	5	9	40	4
	8	22	57	25
	12	12	14	44
	16	1	32	4
	19	14	49	22
	23	4	6	42
	26	17	24	0
	30	6	41	18
Juni	2	19	58	36
	6	9	15	55

Austritte		h	m	s
Juni	9	22	33	13
	13	11	50	32
	17	1	7	50
	20	14	25	9
	24	3	42	28
	27	16	59	48
Juli	1	6	17	8
	4	19	34	28
	8	8	51	49
	11	22	9	10
	15	11	26	33
Eintritte				
Sept.	17	7	51	21
	20	21	8	42
	24	10	26	39
	27	23	44	0
Okt.	1	13	2	2
	5	2	19	24
	8	15	37	30
	12	4	54	52
	15	18	13	2
	19	7	30	23

Eintritte		h	m	s
Okt.	22	20	48	36
	26	10	5	58
	29	23	24	15
Nov.	2	12	41	38
	6	1	59	58
	9	15	17	21
	13	4	35	44
	16	17	53	7
	20	7	11	33
	23	20	28	56
	27	9	47	24
	30	23	4	48
Dez.	4	12	23	18
	8	1	40	42
	11	14	59	13
	15	4	16	38
	18	17	35	10
	22	6	52	36
	25	20	11	9
	29	9	28	36
	32	22	47	10

TRABANT III.

Mitte der Verfinsterung		Halbe Dauer	Mitte der Verfinsterung		Halbe Dauer
	h m s	h m s		h m s	h m s
Jan. 4	10 42 55	1 45 43	Juli 1	14 30 45	1 46 40
11	14 41 10	1 45 52	8	18 30 39	1 46 35
18	18 39 30	1 46 1	15	22 29 51	1 46 30
25	22 38 17	1 46 9			
Febr. 2	2 37 14	1 46 17			
9	6 36 57	1 46 24	Sept. 18	10 17 0	1 45 13
16	10 36 14	1 46 30	25	14 14 41	1 45 2
23	14 35 42	1 46 36	Okt. 2	18 12 42	1 44 50
März 1	18 34 53	1 46 41	9	22 10 32	1 44 38
8	22 34 9	1 46 46	17	2 8 50	1 44 26
16	2 33 50	1 46 50	24	6 6 25	1 44 13
23	6 33 37	1 46 53	31	10 3 53	1 44 0
30	10 34 4	1 46 56	Nov. 7	14 0 59	1 43 46
April 6	14 33 59	1 46 59	14	17 58 3	1 43 31
13	18 33 59	1 47 1	21	21 55 31	1 43 16
20	22 33 36	1 47 2	29	1 52 50	1 43 1
28	2 33 12	1 47 2	Dez. 6	5 50 41	1 42 45
Mai 5	6 33 9	1 47 2	13	9 47 54	1 42 29
12	10 33 5	1 47 2	20	13 45 4	1 42 12
19	14 33 33	1 47 0	27	17 41 58	1 41 55
26	18 33 22	1 46 58	34	21 38 58	1 41 38
Juni 2	22 33 10	1 46 56			
10	2 32 30	1 46 53			
17	6 31 46	1 46 50			
24	10 31 19	1 46 45			

TRABANT IV.

Mitte der Verfinsterung		Halbe Dauer	Mitte der Verfinsterung		Halbe Dauer
	h m s	h m s		h m s	h m s
Jan. 11	8 49 21	2 18 8	Juli 13	15 24 5	2 23 8
28	2 51 49	2 19 23	30	9 25 31	2 22 39
Febr. 13	20 54 31	2 20 27	Aug. 16	3 26 25	2 22 2
März 1	14 57 53	2 21 23	Sept. 1	21 26 26	2 21 16
18	9 1 41	2 22 9	18	15 26 4	2 20 20
April 4	3 5 22	2 22 45	Okt. 5	9 24 57	2 19 16
20	21 9 20	2 23 13	22	3 23 12	2 18 2
Mai 7	15 13 13	2 23 30	Nov. 7	21 21 13	2 16 39
24	9 16 27	2 23 38	24	15 18 37	2 15 7
Juni 10	3 19 37	2 23 37	Dez. 11	9 15 44	2 13 26
26	21 22 17	2 23 27	28	3 13 8	2 11 35

0^h		α	β	p_α	a	b	U'	B'	P'
		″	″	″	″	″	° ′	° ′	° ′
Juli	27	18.46	16.58	−0.04	41.59	−5.72	195 33.9	−5 29.8	+27 0.0
	31	18.59	16.69	0.04	41.86	5.73	195 41.2	5 33.4	26 59.0
Aug.	4	18.71	16.80	0.03	42.13	5.73	195 48.5	5 37.0	26 57.9
	8	18.83	16.90	0.03	42.39	5.72	195 55.9	5 40.6	26 56.9
	12	18.94	17.00	−0.03	42.65	−5.70	196 3.2	−5 44.2	+26 55.8
	16	19.05	17.10	0.03	42.89	5.67	196 10.5	5 47.8	26 54.8
	20	19.15	17.19	0.02	43.12	5.63	196 17.8	5 51.4	26 53.7
	24	19.24	17.27	0.02	43.34	5.58	196 25.2	5 54.9	26 52.6
	28	19.33	17.35	−0.02	43.54	−5.53	196 32.5	−5 58.5	+26 51.5
Sept.	1	19.41	17.42	0.02	43.72	5.47	196 39.8	6 2.1	26 50.4
	5	19.48	17.48	0.01	43.88	5.40	196 47.2	6 5.7	26 49.3
	9	19.54	17.53	0.01	44.02	5.32	196 54.5	6 9.2	26 48.2
	13	19.59	17.58	−0.01	44.14	−5.23	197 1.9	−6 12.8	+26 47.0
	17	19.63	17.62	−0.01	44.23	5.13	197 9.3	6 16.4	26 45.9
	21	19.66	17.65	0.00	44.30	5.03	197 16.6	6 20.0	26 44.7
	25	19.68	17.67	0.00	44.34	4.93	197 24.0	6 23.5	26 43.6
	29	19.69	17.68	0.00	44.36	−4.82	197 31.4	−6 27.1	+26 42.4
Okt.	3	19.69	17.67	0.00	44.35	4.71	197 38.8	6 30.7	26 41.2
	7	19.68	17.65	0.00	44.32	4.60	197 46.1	6 34.3	26 40.0
	11	19.66	17.62	+0.01	44.26	4.49	197 53.5	6 37.8	26 38.8
	15	19.62	17.58	+0.01	44.18	−4.38	198 0.9	−6 41.4	+26 37.6
	19	19.57	17.54	0.01	44.07	4.27	198 8.3	6 45.0	26 36.4
	23	19.51	17.49	0.01	43.94	4.17	198 15.6	6 48.6	26 35.2
	27	19.44	17.43	0.02	43.79	4.07	198 23.0	6 52.1	26 34.0
	31	19.36	17.36	+0.02	43.61	−3.98	198 30.4	−6 55.7	+26 32.7
Nov.	4	19.27	17.28	0.02	43.42	3.89	198 37.8	6 59.3	26 31.5
	8	19.18	17.20	0.02	43.21	3.81	198 45.2	7 2.8	26 30.2
	12	19.08	17.11	0.03	42.98	3.74	198 52.6	7 6.4	26 29.0
	16	18.98	17.02	+0.03	42.74	−3.68	199 0.0	−7 9.9	+26 27.7
	20	18.87	16.92	0.03	42.49	3.62	199 7.4	7 13.5	26 26.5
	24	18.75	16.81	0.03	42.23	3.57	199 14.8	7 17.0	26 25.2
	28	18.63	16.70	0.04	41.96	3.53	199 22.2	7 20.6	26 23.9
Dez.	2	18.50	16.59	+0.04	41.68	−3.50	199 29.6	−7 24.1	+26 22.6

α Grofse Achse des Saturn.

β Scheinbare kleine Achse des Saturn.

p_α Phase; positiv, wenn der Ostrand, negativ, wenn der Westrand verdunkelt ist.

a Grofse Achse der Ringellipse.

b Kleine Achse der Ringellipse; positiv, wenn die nördliche, negativ, wenn die südliche Fläche des Ringes sichtbar ist.

U' Heliozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes in der Ekliptik an.

B' Erhöhungswinkel der Sonne über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P' Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Breitenkreise; östlich positiv, westlich negativ.

0^h	U	B	P	0^h	U	B	P
Juli 27	243° 18.8′	−7° 54.5′	+3° 5.4′	Sept. 29	240° 21.9′	−6° 14.5′	+3° 24.1′
29	243 17.9	7 53.5	3 5.5	Okt. 1	240 13.5	6 10.2	3 25.0
31	243 16.7	7 52.3	3 5.7	3	240 5.1	6 6.0	3 25.9
Aug. 2	243 15.1	7 50.9	3 5.9	5	239 56.7	6 1.8	3 26.8
4	243 13.1	−7 49.4	+3 6.1	7	239 48.3	−5 57.6	+3 27.6
6	243 10.8	7 47.7	3 6.3	9	239 40.0	5 53.5	3 28.5
8	243 8.1	7 45.8	3 6.6	11	239 31.7	5 49.4	3 29.3
10	243 5.1	7 43.7	3 6.9	13	239 23.5	5 45.4	3 30.2
12	243 1.7	−7 41.5	+3 7.3	15	239 15.5	−5 41.5	+3 31.0
14	242 58.0	7 39.1	3 7.7	17	239 7.6	5 37.7	3 31.8
16	242 53.9	7 36.6	3 8.1	19	238 59.9	5 33.9	3 32.6
18	242 49.5	7 34.0	3 8.6	21	238 52.3	5 30.3	3 33.4
20	242 44.8	−7 31.2	+3 9.1	23	238 44.9	−5 26.8	+3 34.1
22	242 39.8	7 28.3	3 9.6	25	238 37.7	5 23.4	3 34.9
24	242 34.5	7 25.2	3 10.1	27	238 30.7	5 20.2	3 35.6
26	242 28.9	7 22.0	3 10.7	29	238 23.9	5 17.1	3 36.3
28	242 23.1	−7 18.6	+3 11.3	31	238 17.3	−5 14.1	+3 37.0
30	242 16.9	7 15.1	3 11.9	Nov. 2	238 11.0	5 11.2	3 37.7
Sept. 1	242 10.5	7 11.6	3 12.6	4	238 5.0	5 8.5	3 38.3
3	242 3.8	7 7.9	3 13.3	6	237 59.3	5 6.0	3 38.9
5	241 56.9	−7 4.2	+3 14.1	8	237 53.8	−5 3.6	+3 39.4
7	241 49.8	7 0.3	3 14.8	10	237 48.6	5 1.4	3 39.9
9	241 42.5	6 56.4	3 15.6	12	237 43.8	4 59.3	3 40.4
11	241 35.0	6 52.4	3 16.4	14	237 39.2	4 57.5	3 40.9
13	241 27.4	−6 48.3	+3 17.2	16	237 35.0	−4 55.8	+3 41.3
15	241 19.6	6 44.2	3 18.0	18	237 31.1	4 54.3	3 41.7
17	241 11.6	6 40.0	3 18.9	20	237 27.6	4 53.0	3 42.1
19	241 3.6	6 35.8	3 19.7	22	237 24.5	4 51.9	3 42.4
21	240 55.4	−6 31.5	+3 20.6	24	237 21.7	−4 51.0	+3 42.7
23	240 47.1	6 27.3	3 21.4	26	237 19.3	4 50.3	3 42.9
25	240 38.7	6 23.0	3 22.3	28	237 17.3	4 49.8	3 43.1
27	240 30.3	6 18.7	3 23.2	30	237 15.7	4 49.5	3 43.3
29	240 21.9	−6 14.5	+3 24.1	Dez. 2	237 14.4	−4 49.4	+3 43.4

U Geozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes im Erdäquator an.

B Erhöhungswinkel der Erde über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Deklinationskreise; östlich positiv, westlich negativ.

	Juli 27	Sept. 29	Dez. 2
N Aufsteigender Knoten der Ringebene im Erdäquator, gezählt vom Äquinoktium an	126° 44.3′	126° 44.5′	126° 45.0′
J Neigung der Ringebene gegen den Erdäquator	6 53.6	6 53.5	6 53.5
ω Entfernung der Ekliptik vom Erdäquator, gemessen auf der Ringebene	42 37.9	42 37.8	42 37.5

MIMAS.

0^h	L	M	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$
Juli 27	68° 30.2′	228.96°	1.45237	−3.90″
29	112 30.6	270.97	1.45382	3.90
31	156 31.0	312.97	1.45525	3.91
Aug. 2	200 31.4	354.98	1.45667	3.91
4	244 31.7	36.98	1.45806	3.91
6	288 32.1	78.99	1.45943	−3.90
8	332 32.5	121.00	1.46077	3.90
10	16 32.9	163.00	1.46208	3.89
12	60 33.3	205.01	1.46336	3.89
14	104 33.7	247.02	1.46461	3.88
16	148 34.0	289.02	1.46582	−3.87
18	192 34.4	331.03	1.46700	3.86
20	236 34.8	13.03	1.46814	3.84
22	280 35.2	55.04	1.46924	3.83
24	324 35.5	97.05	1.47030	3.81
26	8 35.9	139.05	1.47131	−3.79
28	52 36.3	181.06	1.47228	3.77
30	96 36.7	223.06	1.47320	3.75
Sept. 1	140 37.0	265.07	1.47407	3.72
3	184 37.4	307.07	1.47489	3.70
5	228 37.7	349.08	1.47566	−3.67
7	272 38.1	31.08	1.47638	3.65
9	316 38.5	73.09	1.47704	3.62
11	0 38.8	115.09	1.47765	3.59
13	44 39.2	157.10	1.47820	3.56
15	88 39.6	199.11	1.47869	−3.53
17	132 39.9	241.11	1.47912	3.50
19	176 40.3	283.12	1.47949	3.47
21	220 40.6	325.12	1.47980	3.43
23	264 41.0	7.13	1.48005	3.40
25	308 41.4	49.14	1.48024	−3.36
27	352 41.7	91.14	1.48036	3.33
29	36 42.1	133.15	1.48042	3.29
Sept. 29	36° 42.1′	133.15°	1.48042	−3.29″
Okt. 1	80 42.5	175.16	1.48042	3.26
3	124 42.8	217.16	1.48035	3.22
5	168 43.2	259.17	1.48022	3.18
7	212 43.5	301.17	1.48003	3.14
9	256 43.9	343.18	1.47977	−3.11
11	300 44.3	25.19	1.47945	3.07
13	344 44.6	67.19	1.47907	3.03
15	28 45.0	109.20	1.47864	2.99
17	72 45.3	151.21	1.47814	2.95
19	116 45.7	193.21	1.47758	−2.91
21	160 46.0	235.22	1.47696	2.87
23	204 46.4	277.22	1.47629	2.84
25	248 46.7	319.23	1.47556	2.80
27	292 47.1	1.24	1.47478	2.77
29	336 47.4	43.24	1.47394	−2.74
31	20 47.8	85.25	1.47305	2.71
Nov. 2	64 48.1	127.25	1.47211	2.68
4	108 48.5	169.26	1.47112	2.65
6	152 48.8	211.26	1.47009	2.62
8	196 49.2	253.27	1.46901	−2.59
10	240 49.5	295.27	1.46789	2.56
12	284 49.9	337.28	1.46673	2.54
14	328 50.2	19.28	1.46553	2.52
16	12 50.6	61.29	1.46429	2.50
18	56 50.9	103.30	1.46302	−2.48
20	100 51.3	145.30	1.46172	2.46
22	144 51.6	187.31	1.46038	2.44
24	188 51.9	229.31	1.45901	2.43
26	232 52.3	271.32	1.45762	2.42
28	276 52.6	313.33	1.45621	−2.41
30	320 53.0	355.33	1.45477	2.40
Dez. 2	4 53.3	37.34	1.45331	2.39

MIMAS.

M	v − M	log r/a	M	M	v − M	log r/a	M
0°	+0° 0.0′—	9.99167	360°	90°	+2° 10.6′—	0.00016	270°
2	0 4.7	9.99167	358	92	2 10.4	0.00044	268
4	0 9.3	9.99169	356	94	2 10.1	0.00073	266
6	0 14.0	9.99172	354	96	2 9.6	0.00101	264
8	0 18.6	9.99175	352	98	2 8.9	0.00130	262
10	+0 23.2—	9.99180	350	100	+2 8.1—	0.00158	260
12	0 27.8	9.99186	348	102	2 7.1	0.00186	258
14	0 32.3	9.99193	346	104	2 6.0	0.00214	256
16	0 36.8	9.99201	344	106	2 4.7	0.00241	254
18	0 41.3	9.99210	342	108	2 3.3	0.00268	252
20	+0 45.7—	9.99220	340	110	+2 1.7—	0.00295	250
22	0 50.0	9.99230	338	112	2 0.0	0.00321	248
24	0 54.3	9.99242	336	114	1 58.2	0.00347	246
26	0 58.5	9.99255	334	116	1 56.2	0.00373	244
28	1 2.6	9.99269	332	118	1 54.0	0.00398	242
30	+1 6.7—	9.99284	330	120	+1 51.8—	0.00422	240
32	1 10.6	9.99299	328	122	1 49.4	0.00446	238
34	1 14.5	9.99316	326	124	1 46.9	0.00469	236
36	1 18.3	9.99333	324	126	1 44.2	0.00492	234
38	1 22.0	9.99351	322	128	1 41.4	0.00514	232
40	+1 25.5—	9.99370	320	130	+1 38.6—	0.00536	230
42	1 29.0	9.99390	318	132	1 35.6	0.00557	228
44	1 32.3	9.99410	316	134	1 32.4	0.00577	226
46	1 35.5	9.99431	314	136	1 29.2	0.00597	224
48	1 38.6	9.99453	312	138	1 25.9	0.00616	222
50	+1 41.6—	9.99476	310	140	+1 22.5—	0.00634	220
52	1 44.5	9.99499	308	142	1 18.9	0.00651	218
54	1 47.2	9.99523	306	144	1 15.3	0.00668	216
56	1 49.7	9.99547	304	146	1 11.6	0.00683	214
58	1 52.2	9.99572	302	148	1 7.9	0.00698	212
60	+1 54.5—	9.99598	300	150	+1 4.0—	0.00713	210
62	1 56.6	9.99623	298	152	1 0.1	0.00726	208
64	1 58.6	9.99650	296	154	0 56.1	0.00738	206
66	2 0.5	9.99676	294	156	0 52.0	0.00750	204
68	2 2.2	9.99704	292	158	0 47.9	0.00760	202
70	+2 3.7—	9.99731	290	160	+0 43.7—	0.00770	200
72	2 5.1	9.99759	288	162	0 39.5	0.00779	198
74	2 6.4	9.99787	286	164	0 35.2	0.00787	196
76	2 7.5	9.99815	284	166	0 30.9	0.00794	194
78	2 8.4	9.99843	282	168	0 26.5	0.00800	192
80	+2 9.2—	9.99872	280	170	+0 22.2—	0.00805	190
82	2 9.8	9.99900	278	172	0 17.8	0.00810	188
84	2 10.2	9.99929	276	174	0 13.3	0.00813	186
86	2 10.5	9.99958	274	176	0 8.9	0.00815	184
88	2 10.6	9.99987	272	178	0 4.5	0.00817	182
90	+2 10.6—	0.00016	270	180	+0 0.0—	0.00817	180

ENCELADUS.

0^h	L	M	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$
	° ′	°		″
Juli 27	163 26.7	115.9	1.56058	−5.00
29	328 54.5	280.7	1.56203	5.01
31	134 22.2	85.5	1.56346	5.01
Aug. 2	299 50.0	250.3	1.56488	5.01
4	105 17.8	55.0	1.56627	5.01
6	270 45.6	219.8	1.56764	−5.01
8	76 13.3	24.6	1.56898	5.00
10	241 41.1	189.4	1.57029	4.99
12	47 8.9	354.2	1.57157	4.98
14	212 36.7	159.0	1.57282	4.97
16	18 4.4	323.8	1.57403	−4.96
18	183 32.2	128.6	1.57521	4.95
20	349 0.0	293.3	1.57635	4.93
22	154 27.8	98.1	1.57745	4.91
24	319 55.5	262.9	1.57851	4.89
26	125 23.3	67.7	1.57952	−4.87
28	290 51.1	232.5	1.58049	4.84
30	96 18.9	37.3	1.58141	4.81
Sept. 1	261 46.6	202.1	1.58228	4.78
3	67 14.4	6.9	1.58310	4.75
5	232 42.2	171.6	1.58387	−4.72
7	38 10.0	336.4	1.58459	4.69
9	203 37.7	141.2	1.58525	4.65
11	9 5.5	306.0	1.58586	4.61
13	174 33.3	110.8	1.58641	4.57
15	340 1.1	275.6	1.58690	−4.53
17	145 28.8	80.4	1.58733	4.49
19	310 56.6	245.2	1.58770	4.45
21	116 24.3	49.9	1.58801	4.40
23	281 52.1	214.7	1.58826	4.36
25	87 19.9	19.5	1.58845	−4.31
27	252 47.6	184.3	1.58857	4.26
29	58 15.4	349.1	1.58863	4.21
Sept. 29	58 15.4	349.1	1.58863	−4.21
Okt. 1	223 43.2	153.9	1.58863	4.16
3	29 10.9	318.6	1.58856	4.11
5	194 38.7	123.4	1.58843	4.07
7	0 6.4	288.2	1.58824	4.02
9	165 34.2	93.0	1.58798	−3.97
11	331 2.0	257.7	1.58766	3.92
13	136 29.7	62.5	1.58728	3.87
15	301 57.5	227.3	1.58685	3.83
17	107 25.3	32.1	1.58635	3.78
19	272 53.0	196.9	1.58579	−3.74
21	78 20.8	1.7	1.58517	3.69
23	243 48.5	166.4	1.58450	3.65
25	49 16.3	331.2	1.58377	3.60
27	214 44.1	136.0	1.58299	3.56
29	20 11.8	300.8	1.58215	−3.52
31	185 39.6	105.6	1.58126	3.48
Nov. 2	351 7.3	270.4	1.58032	3.44
4	156 35.1	75.2	1.57933	3.40
6	322 2.8	240.0	1.57830	3.36
8	127 30.6	44.7	1.57722	−3.33
10	292 58.3	209.5	1.57610	3.30
12	98 26.1	14.3	1.57494	3.27
14	263 53.8	179.1	1.57374	3.24
16	69 21.6	343.9	1.57250	3.21
18	234 49.3	148.7	1.57123	−3.18
20	40 17.1	313.5	1.56993	3.16
22	205 44.8	118.3	1.56859	3.14
24	11 12.6	283.0	1.56722	3.12
26	176 40.3	87.8	1.56583	3.10
28	342 8.1	252.6	1.56442	−3.09
30	147 35.8	57.4	1.56298	3.07
Dez. 2	313 3.6	222.2	1.56152	3.06

ENCELADUS.

M	$v-M$	$\log \frac{r}{a}$	M	M	$v-M$	$\log \frac{r}{a}$	M
0°	+ 0.0′ —	9.99800	360°	90°	+31.6′ —	0.00001	270°
2	1.1	9.99800	358	92	31.6	0.00008	268
4	2.2	9.99800	356	94	31.5	0.00015	266
6	3.3	9.99801	354	96	31.4	0.00022	264
8	4.4	9.99802	352	98	31.3	0.00029	262
10	+ 5.5 —	9.99803	350	100	+31.1 —	0.00035	260
12	6.6	9.99804	348	102	30.9	0.00042	258
14	7.7	9.99806	346	104	30.6	0.00049	256
16	8.8	9.99808	344	106	30.3	0.00056	254
18	9.8	9.99810	342	108	30.0	0.00062	252
20	+10.9 —	9.99812	340	110	+29.7 —	0.00069	250
22	11.9	9.99814	338	112	29.3	0.00075	248
24	12.9	9.99817	336	114	28.8	0.00082	246
26	13.9	9.99820	334	116	28.3	0.00088	244
28	14.9	9.99823	332	118	27.8	0.00094	242
30	+15.9 —	9.99827	330	120	+27.3 —	0.00100	240
32	16.8	9.99830	328	122	26.7	0.00106	238
34	17.8	9.99834	326	124	26.1	0.00112	236
36	18.7	9.99838	324	126	25.5	0.00118	234
38	19.6	9.99842	322	128	24.8	0.00123	232
40	+20.4 —	9.99847	320	130	+24.1 —	0.00129	230
42	21.3	9.99852	318	132	23.4	0.00134	228
44	22.1	9.99856	316	134	22.7	0.00139	226
46	22.8	9.99861	314	136	21.9	0.00144	224
48	23.6	9.99866	312	138	21.1	0.00148	222
50	+24.3 —	9.99872	310	140	+20.2 —	0.00153	220
52	25.0	9.99877	308	142	19.4	0.00157	218
54	25.7	9.99883	306	144	18.5	0.00162	216
56	26.3	9.99889	304	146	17.6	0.00166	214
58	26.9	9.99895	302	148	16.7	0.00169	212
60	+27.5 —	9.99901	300	150	+15.7 —	0.00173	210
62	28.0	9.99907	298	152	14.8	0.00176	208
64	28.5	9.99913	296	154	13.8	0.00179	206
66	29.0	9.99919	294	156	12.8	0.00182	204
68	29.4	9.99926	292	158	11.8	0.00185	202
70	+29.8 —	9.99932	290	160	+10.8 —	0.00187	200
72	30.1	9.99939	288	162	9.7	0.00190	198
74	30.4	9.99946	286	164	8.7	0.00192	196
76	30.7	9.99952	284	166	7.6	0.00193	194
78	31.0	9.99959	282	168	6.5	0.00195	192
80	+31.2 —	9.99966	280	170	+ 5.5 —	0.00196	190
82	31.3	9.99973	278	172	4.4	0.00197	188
84	31.5	9.99980	276	174	3.3	0.00198	186
86	31.6	9.99987	274	176	2.2	0.00199	184
88	31.6	9.99994	272	178	1.1	0.00199	182
90	+31.6 —	0.00001	270	180	+ 0.0 —	0.00199	180

TETHYS.

0^h		L	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$	0^h		L	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$
Juli	27	226° 6′.9	1.65327	−6″.19	Sept.	29	190° 45′.3	1.68132	−5″.22
	29	247 30.6	1.65472	6.20	Okt.	1	212 9.0	1.68132	5.16
	31	268 54.3	1.65615	6.21		3	233 32.7	1.68125	5.10
Aug.	2	290 18.0	1.65757	6.21		5	254 56.4	1.68112	5.04
	4	311 41.7	1.65896	6.21		7	276 20.1	1.68093	4.98
	6	333 5.4	1.66033	−6.21		9	297 43.8	1.68067	−4.92
	8	354 29.1	1.66167	6.20		11	319 7.5	1.68035	4.86
	10	15 52.8	1.66298	6.19		13	340 31.2	1.67997	4.80
	12	37 16.5	1.66426	6.18		15	1 54.9	1.67954	4.74
	14	58 40.2	1.66551	6.17		17	23 18.6	1.67904	4.68
	16	80 3.9	1.66672	−6.15		19	44 42.3	1.67848	−4.63
	18	101 27.6	1.66790	6.13		21	66 6.0	1.67786	4.57
	20	122 51.3	1.66904	6.11		23	87 29.7	1.67719	4.52
	22	144 15.0	1.67014	6.09		25	108 53.4	1.67646	4.46
	24	165 38.7	1.67120	6.06		27	130 17.1	1.67568	4.41
	26	187 2.4	1.67221	−6.03		29	151 40.8	1.67484	−4.36
	28	208 26.1	1.67318	6.00		31	173 4.5	1.67395	4.31
	30	229 49.8	1.67410	5.97	Nov.	2	194 28.2	1.67301	4.26
Sept.	1	251 13.5	1.67497	5.93		4	215 51.9	1.67202	4.21
	3	272 37.2	1.67579	5.89		6	237 15.6	1.67099	4.16
	5	294 0.9	1.67656	−5.85		8	258 39.2	1.66991	−4.12
	7	315 24.6	1.67728	5.81		10	280 2.9	1.66879	4.08
	9	336 48.3	1.67794	5.76		12	301 26.6	1.66763	4.04
	11	358 12.0	1.67855	5.71		14	322 50.3	1.66643	4.00
	13	19 35.7	1.67910	5.66		16	344 14.0	1.66519	3.97
	15	40 59.4	1.67959	−5.61		18	5 37.7	1.66392	−3.94
	17	62 23.1	1.68002	5.56		20	27 1.4	1.66262	3.91
	19	83 46.8	1.68039	5.51		22	48 25.1	1.66128	3.88
	21	105 10.5	1.68070	5.45		24	69 48.7	1.65991	3.86
	23	126 34.2	1.68095	5.40		26	91 12.4	1.65852	3.84
	25	147 57.9	1.68114	−5.34		28	112 36.1	1.65711	−3.82
	27	169 21.6	1.68126	5.28		30	133 59.8	1.65567	3.80
	29	190 45.3	1.68132	5.22	Dez.	2	155 23.5	1.65421	3.79

DIONE.

0^h	L	M	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$
Juli 27	285° 34.5'	7.2°	1.76075	−7.93"
29	188 38.7	270.1	1.76220	7.94
31	91 42.9	173.0	1.76363	7.95
Aug. 2	354 47.1	75.9	1.76505	7.95
4	257 51.3	338.8	1.76644	7.95
6	160 55.5	241.7	1.76781	−7.95
8	63 59.7	144.6	1.76915	7.94
10	327 3.9	47.5	1.77046	7.93
12	230 8.1	310.4	1.77174	7.91
14	133 12.3	213.3	1.77299	7.89
16	36 16.5	116.2	1.77420	−7.87
18	299 20.7	19.1	1.77538	7.85
20	202 24.8	282.0	1.77652	7.82
22	105 29.0	184.9	1.77762	7.79
24	8 33.2	87.8	1.77868	7.76
26	271 37.4	350.7	1.77969	−7.72
28	174 41.6	253.6	1.78066	7.68
30	77 45.8	156.5	1.78158	7.64
Sept. 1	340 50.0	59.4	1.78245	7.59
3	243 54.2	322.3	1.78327	7.54
5	146 58.4	225.2	1.78404	−7.49
7	50 2.6	128.1	1.78476	7.43
9	313 6.8	31.0	1.78542	7.37
11	216 11.0	293.9	1.78603	7.31
13	119 15.2	196.8	1.78658	7.25
15	22 19.4	99.7	1.78707	−7.19
17	285 23.6	2.6	1.78750	7.12
19	188 27.8	265.5	1.78787	7.05
21	91 31.9	168.4	1.78818	6.98
23	354 36.1	71.3	1.78843	6.91
25	257 40.3	334.2	1.78862	−6.84
27	160 44.5	237.1	1.78874	6.77
29	63 48.7	140.0	1.78880	6.69
Sept. 29	63° 48.7'	140.0°	1.78880	−6.69"
Okt. 1	326 52.9	42.9	1.78880	6.61
3	229 57.1	305.8	1.78873	6.53
5	133 1.3	208.7	1.78860	6.45
7	36 5.5	111.6	1.78841	6.38
9	299 9.7	14.5	1.78815	−6.30
11	202 13.9	277.4	1.78783	6.23
13	105 18.1	180.3	1.78745	6.15
15	8 22.3	83.2	1.78702	6.08
17	271 26.5	346.1	1.78652	6.00
19	174 30.7	249.0	1.78596	−5.93
21	77 34.9	151.9	1.78534	5.86
23	340 39.0	54.8	1.78467	5.79
25	243 43.2	317.7	1.78394	5.72
27	146 47.4	220.6	1.78316	5.65
29	49 51.6	123.5	1.78232	−5.58
31	312 55.8	26.4	1.78143	5.52
Nov. 2	216 0.0	289.3	1.78049	5.46
4	119 4.2	192.2	1.77950	5.40
6	22 8.4	95.1	1.77847	5.34
8	285 12.5	358.0	1.77739	−5.28
10	188 16.7	260.9	1.77627	5.23
12	91 20.9	163.8	1.77511	5.18
14	354 25.1	66.7	1.77391	5.13
16	257 29.3	329.6	1.77267	5.09
18	160 33.5	232.5	1.77140	−5.05
20	63 37.7	135.4	1.77010	5.01
22	326 41.9	38.3	1.76876	4.98
24	229 46.0	301.2	1.76739	4.95
26	132 50.2	204.1	1.76600	4.92
28	35 54.4	107.0	1.76459	−4.90
30	298 58.6	9.9	1.76315	4.88
Dez. 2	202 2.8	272.8	1.76169	4.86

DIONE.

M	$v-M$	$\log \frac{r}{a}$	M	M	$v-M$	$\log \frac{r}{a}$	M
0°	+ 0.0′ −	9.99913	360°	90°	+ 13.8′ −	0.00000	270°
2	0.5	9.99913	358	92	13.7	0.00003	268
4	1.0	9.99913	356	94	13.7	0.00006	266
6	1.4	9.99913	354	96	13.7	0.00009	264
8	1.9	9.99914	352	98	13.6	0.00012	262
10	+ 2.4 −	9.99914	350	100	+ 13.5 −	0.00015	260
12	2.9	9.99915	348	102	13.4	0.00018	258
14	3.3	9.99916	346	104	13.3	0.00021	256
16	3.8	9.99916	344	106	13.2	0.00024	254
18	4.3	9.99917	342	108	13.1	0.00027	252
20	+ 4.7 −	9.99918	340	110	+ 12.9 −	0.00030	250
22	5.2	9.99919	338	112	12.7	0.00033	248
24	5.6	9.99921	336	114	12.5	0.00035	246
26	6.0	9.99922	334	116	12.3	0.00038	244
28	6.5	9.99923	332	118	12.1	0.00041	242
30	+ 6.9 −	9.99925	330	120	+ 11.9 −	0.00044	240
32	7.3	9.99926	328	122	11.6	0.00046	238
34	7.7	9.99928	326	124	11.4	0.00049	236
36	8.1	9.99930	324	126	11.1	0.00051	234
38	8.5	9.99931	322	128	10.8	0.00053	232
40	+ 8.9 −	9.99933	320	130	+ 10.5 −	0.00056	230
42	9.2	9.99935	318	132	10.2	0.00058	228
44	9.6	9.99937	316	134	9.9	0.00060	226
46	9.9	9.99940	314	136	9.5	0.00062	224
48	10.2	9.99942	312	138	9.2	0.00065	222
50	+ 10.6 −	9.99944	310	140	+ 8.8 −	0.00067	220
52	10.9	9.99947	308	142	8.4	0.00068	218
54	11.1	9.99949	306	144	8.1	0.00070	216
56	11.4	9.99951	304	146	7.7	0.00072	214
58	11.7	9.99954	302	148	7.3	0.00074	212
60	+ 11.9 −	9.99957	300	150	+ 6.9 −	0.00075	210
62	12.2	9.99959	298	152	6.4	0.00077	208
64	12.4	9.99962	296	154	6.0	0.00078	206
66	12.6	9.99965	294	156	5.6	0.00079	204
68	12.8	9.99967	292	158	5.1	0.00080	202
70	+ 12.9 −	9.99970	290	160	+ 4.7 −	0.00081	200
72	13.1	9.99973	288	162	4.2	0.00082	198
74	13.2	9.99976	286	164	3.8	0.00083	196
76	13.3	9.99979	284	166	3.3	0.00084	194
78	13.4	9.99982	282	168	2.9	0.00085	192
80	+ 13.5 −	9.99985	280	170	+ 2.4 −	0.00085	190
82	13.6	9.99988	278	172	1.9	0.00086	188
84	13.7	9.99991	276	174	1.4	0.00086	186
86	13.7	9.99994	274	176	1.0	0.00086	184
88	13.7	9.99997	272	178	0.5	0.00087	182
90	+ 13.8 −	0.00000	270	180	+ 0.0 −	0.00087	180

RHEA.

0h		L	M	log a(ρ)/ρ	a(ρ)/ρ sin B	0h		L	M	log a(ρ)/ρ	a(ρ)/ρ sin B
Juli	27	282° 47.5′	268.3°	1.90579	−11.07″	Sept.	29	342° 57.1′	326.7°	1.93384	−9.33″
	29	82 10.3	67.6	1.90724	11.08	Okt.	1	142 19.9	126.0	1.93384	9.23
	31	241 33.1	226.9	1.90867	11.09		3	301 42.7	285.3	1.93377	9.12
Aug.	2	40 55.9	26.3	1.91009	11.10		5	101 5.5	84.7	1.93364	9.01
	4	200 18.7	185.6	1.91148	11.10		7	260 28.3	244.0	1.93345	8.90
	6	359 41.5	344.9	1.91285	−11.09		9	59 51.1	43.3	1.93319	−8.79
	8	159 4.3	144.2	1.91419	11.08		11	219 13.9	202.6	1.93287	8.69
	10	318 27.1	303.6	1.91550	11.07		13	18 36.7	2.0	1.93249	8.58
	12	117 49.9	102.9	1.91678	11.05		15	177 59.5	161.3	1.93206	8.48
	14	277 12.7	262.2	1.91803	11.02		17	337 22.3	320.6	1.93156	8.37
	16	76 35.5	61.5	1.91924	−10.99		19	136 45.1	119.9	1.93100	−8.27
	18	235 58.3	220.9	1.92042	10.96		21	296 7.9	279.3	1.93038	8.17
	20	35 21.1	20.2	1.92156	10.92		23	95 30.7	78.6	1.92971	8.07
	22	194 43.9	179.5	1.92266	10.88		25	254 53.5	237.9	1.92898	7.97
	24	354 6.7	338.8	1.92372	10.83		27	54 16.3	37.2	1.92820	7.88
	26	153 29.5	138.2	1.92473	−10.78		29	213 39.1	196.6	1.92736	−7.79
	28	312 52.3	297.5	1.92570	10.72		31	13 1.9	355.9	1.92647	7.70
	30	112 15.1	96.8	1.92662	10.66	Nov.	2	172 24.7	155.2	1.92553	7.61
Sept.	1	271 37.9	256.1	1.92749	10.59		4	331 47.5	314.5	1.92454	7.53
	3	71 0.7	55.5	1.92831	10.52		6	131 10.3	113.9	1.92351	7.45
	5	230 23.5	214.8	1.92908	−10.45		8	290 33.1	273.2	1.92243	−7.38
	7	29 46.3	14.1	1.92980	10.37		10	89 55.9	72.5	1.92131	7.31
	9	189 9.1	173.4	1.93046	10.29		12	249 18.7	231.8	1.92015	7.24
	11	348 31.9	332.8	1.93107	10.21		14	48 41.5	31.2	1.91895	7.17
	13	147 54.7	132.1	1.93162	10.12		16	208 4.3	190.5	1.91771	7.11
	15	307 17.5	291.4	1.93211	−10.03		18	7 27.1	349.8	1.91644	−7.05
	17	106 40.3	90.7	1.93254	9.93		20	166 49.9	149.1	1.91514	7.00
	19	266 3.1	250.1	1.93291	9.84		22	326 12.7	308.5	1.91380	6.95
	21	65 25.9	49.4	1.93322	9.74		24	125 35.5	107.8	1.91243	6.91
	23	224 48.7	208.7	1.93347	9.64		26	284 58.3	267.1	1.91104	6.87
	25	24 11.5	8.0	1.93366	−9.54		28	84 21.1	66.4	1.90963	−6.84
	27	183 34.3	167.4	1.93378	9.44		30	243 43.9	225.8	1.90819	6.81
	29	342 57.1	326.7	1.93384	9.33	Dez.	2	43 6.7	25.1	1.90673	6.78

RHEA.

M	$v - M$	$\log \frac{r}{a}$	M	M	$v - M$	$\log \frac{r}{a}$	M
0°	+0.0—	9.99961	360°	90°	+6.2—	0.00000	270°
2	0.2	9.99961	358	92	6.2	0.00001	268
4	0.4	9.99961	356	94	6.2	0.00003	266
6	0.6	9.99961	354	96	6.2	0.00004	264
8	0.9	9.99961	352	98	6.1	0.00005	262
10	+1.1—	9.99961	350	100	+6.1—	0.00007	260
12	1.3	9.99962	348	102	6.1	0.00008	258
14	1.5	9.99962	346	104	6.0	0.00009	256
16	1.7	9.99962	344	106	5.9	0.00011	254
18	1.9	9.99963	342	108	5.9	0.00012	252
20	+2.1—	9.99963	340	110	+5.8—	0.00013	250
22	2.3	9.99964	338	112	5.7	0.00015	248
24	2.5	9.99964	336	114	5.7	0.00016	246
26	2.7	9.99965	334	116	5.6	0.00017	244
28	2.9	9.99966	332	118	5.5	0.00018	242
30	+3.1—	9.99966	330	120	+5.4—	0.00019	240
32	3.3	9.99967	328	122	5.2	0.00021	238
34	3.5	9.99968	326	124	5.1	0.00022	236
36	3.6	9.99968	324	126	5.0	0.00023	234
38	3.8	9.99969	322	128	4.9	0.00024	232
40	+4.0—	9.99970	320	130	+4.7—	0.00025	230
42	4.1	9.99971	318	132	4.6	0.00026	228
44	4.3	9.99972	316	134	4.5	0.00027	226
46	4.5	9.99973	314	136	4.3	0.00028	224
48	4.6	9.99974	312	138	4.1	0.00029	222
50	+4.7—	9.99975	310	140	+4.0—	0.00030	220
52	4.9	9.99976	308	142	3.8	0.00031	218
54	5.0	9.99977	306	144	3.6	0.00032	216
56	5.1	9.99978	304	146	3.5	0.00032	214
58	5.2	9.99979	302	148	3.3	0.00033	212
60	+5.4—	9.99980	300	150	+3.1—	0.00034	210
62	5.5	9.99982	298	152	2.9	0.00034	208
64	5.6	9.99983	296	154	2.7	0.00035	206
66	5.7	9.99984	294	156	2.5	0.00036	204
68	5.7	9.99985	292	158	2.3	0.00036	202
70	+5.8—	9.99987	290	160	+2.1—	0.00037	200
72	5.9	9.99988	288	162	1.9	0.00037	198
74	5.9	9.99989	286	164	1.7	0.00037	196
76	6.0	9.99991	284	166	1.5	0.00038	194
78	6.1	9.99992	282	168	1.3	0.00038	192
80	+6.1—	9.99993	280	170	+1.1—	0.00038	190
82	6.1	9.99995	278	172	0.9	0.00039	188
84	6.2	9.99996	276	174	0.6	0.00039	186
86	6.2	9.99997	274	176	0.4	0.00039	184
88	6.2	9.99999	272	178	0.2	0.00039	182
90	+6.2—	0.00000	270	180	+0.0—	0.00039	180

Bewegung der mittleren Länge *L*.

Zeit	Mimas	Enceladus	Tethys	Dione	Rhea
1d	22° 0'.2	262° 43'.9	190° 41'.8	131° 32'.1	79° 41'.4
1h	15 55.0	10 56.8	7 56.7	5 28.8	3 19.2
2	31 50.0	21 53.7	15 53.5	10 57.7	6 38.4
3	47 45.0	32 50.5	23 50.2	16 26.5	9 57.7
4	63 40.0	43 47.3	31 47.0	21 55.3	13 16.9
5	79 35.0	54 44.1	39 43.7	27 24.2	16 36.1
6	95 30.0	65 41.0	47 40.5	32 53.0	19 55.4
7	111 25.1	76 37.8	55 37.2	38 21.9	23 14.6
8	127 20.1	87 34.6	63 33.9	43 50.7	26 33.8
9	143 15.1	98 31.5	71 30.7	49 19.5	29 53.0
10	159 10.1	109 28.3	79 27.4	54 48.4	33 12.3
11	175 5.1	120 25.1	87 24.2	60 17.2	36 31.5
12	191 0.1	131 22.0	95 20.9	65 46.0	39 50.7
13	206 55.1	142 18.8	103 17.7	71 14.9	43 9.9
14	222 50.1	153 15.6	111 14.4	76 43.7	46 29.2
15	238 45.1	164 12.4	119 11.1	82 12.6	49 48.4
16	254 40.1	175 9.3	127 7.9	87 41.4	53 7.6
17	270 35.1	186 6.1	135 4.6	93 10.2	56 26.8
18	286 30.2	197 2.9	143 1.4	98 39.1	59 46.0
19	302 25.2	207 59.8	150 58.1	104 7.9	63 5.3
20	318 20.2	218 56.6	158 54.9	109 36.7	66 24.5
21	334 15.2	229 53.4	166 51.6	115 5.6	69 43.7
22	350 10.2	240 50.3	174 48.3	120 34.4	73 3.0
23	6 5.2	251 47.1	182 45.1	126 3.3	76 22.2
1m	0 15.9	0 10.9	0 7.9	0 5.5	0 3.3
2	0 31.8	0 21.9	0 15.9	0 11.0	0 6.6
3	0 47.8	0 32.8	0 23.8	0 16.4	0 10.0
4	1 3.7	0 43.8	0 31.8	0 21.9	0 13.3
5	1 19.6	0 54.7	0 39.7	0 27.4	0 16.6
6	1 35.5	1 5.7	0 47.7	0 32.9	0 19.9
7	1 51.4	1 16.6	0 55.6	0 38.4	0 23.2
8	2 7.3	1 27.6	1 3.6	0 43.8	0 26.6
9	2 23.3	1 38.5	1 11.5	0 49.3	0 29.9
10	2 39.2	1 49.5	1 19.5	0 54.8	0 33.2
20	5 18.3	3 38.9	2 38.9	1 49.6	1 6.4
30	7 57.5	5 28.4	3 58.4	2 44.4	1 39.6
40	10 36.7	7 17.9	5 17.8	3 39.2	2 12.8
50	13 15.8	9 7.4	6 37.3	4 34.0	2 46.0
10	0 2.7	0 1.8	0 1.3	0 0.9	0 0.6
20	0 5.3	0 3.6	0 2.6	0 1.8	0 1.1
30	0 8.0	0 5.5	0 4.0	0 2.7	0 1.7
40	0 10.6	0 7.3	0 5.3	0 3.7	0 2.2
50	0 13.3	0 9.1	0 6.6	0 4.6	0 2.8

Bewegung der mittleren Anomalie M.					$\log \frac{1}{1+\zeta}$, in Einheiten der 5. Dezimale.						
Zeit	Mimas	Encel.	Dione	Rhea	$u-U$	Mimas	Encel.	Tethys	Dione	Rhea	$u-U$
1^{d}	21.00°	262.4°	131.5°	79.7°	0°	−6	−8	−10	−13	−17	360°
					4	−6	−8	−10	−13	−17	356
1^{h}	15.88	10.9	5.5	3.3	8	−6	−8	−10	−13	−17	352
2	31.75	21.9	11.0	6.6	12	−5	−7	− 9	−12	−16	348
3	47.63	32.8	16.4	10.0	16	−5	−7	− 9	−12	−16	344
4	63.50	43.7	21.9	13.3	20	−5	−7	− 9	−12	−16	340
5	79.38	54.7	27.4	16.6	24	−5	−7	− 9	−11	−15	336
6	95.25	65.6	32.9	19.9	28	−5	−7	− 9	−11	−15	332
7	111.13	76.5	38.3	23.2	32	−4	−6	− 8	−10	−14	328
8	127.00	87.5	43.8	26.6	36	−4	−6	− 8	−10	−14	324
9	142.88	98.4	49.3	29.9	40	−4	−6	− 8	− 9	−13	320
10	158.75	109.3	54.8	33.2	44	−4	−6	− 7	− 8	−12	316
11	174.63	120.3	60.2	36.5	48	−4	−5	− 7	− 8	−11	312
12	190.50	131.2	65.7	39.8	52	−3	−5	− 6	− 7	−11	308
13	206.38	142.1	71.2	43.2	56	−3	−4	− 6	− 7	−10	304
14	222.25	153.1	76.7	46.5	60	−3	−4	− 5	− 6	− 9	300
15	238.13	164.0	82.2	49.8	64	−3	−4	− 4	− 5	− 8	296
16	254.00	174.9	87.6	53.1	68	−2	−3	− 4	− 5	− 7	292
17	269.88	185.9	93.1	56.4	72	−2	−3	− 3	− 4	− 5	288
18	285.75	196.8	98.6	59.7	76	−1	−2	− 3	− 3	− 4	284
19	301.63	207.7	104.1	63.1	80	−1	−2	− 2	− 2	− 3	280
20	317.50	218.7	109.5	66.4	84	−1	−1	− 1	− 1	− 2	276
21	333.38	229.6	115.0	69.7	88	0	0	0	0	− 1	272
22	349.25	240.5	120.5	73.0	92	0	0	0	0	+ 1	268
23	5.13	251.5	126.0	76.3	96	+1	+1	+ 1	+ 1	+ 2	264
					100	+1	+2	+ 2	+ 2	+ 3	260
1^{m}	0.26	0.2	0.1	0.1	104	+1	+2	+ 3	+ 3	+ 4	256
2	0.53	0.4	0.2	0.1	108	+2	+3	+ 3	+ 4	+ 5	252
3	0.79	0.5	0.3	0.2	112	+2	+3	+ 4	+ 5	+ 7	248
4	1.06	0.7	0.4	0.2	116	+3	+4	+ 4	+ 5	+ 8	244
5	1.32	0.9	0.5	0.3	120	+3	+4	+ 5	+ 6	+ 9	240
6	1.59	1.1	0.5	0.3	124	+3	+4	+ 6	+ 7	+10	236
7	1.86	1.3	0.6	0.4	128	+3	+5	+ 6	+ 7	+11	232
8	2.12	1.5	0.7	0.4	132	+4	+5	+ 7	+ 8	+11	228
9	2.38	1.6	0.8	0.5	136	+4	+6	+ 7	+ 8	+12	224
10	2.65	1.8	0.9	0.6	140	+4	+6	+ 8	+ 9	+13	220
20	5.29	3.6	1.8	1.1	144	+4	+6	+ 8	+10	+14	216
30	7.94	5.5	2.7	1.7	148	+4	+6	+ 8	+10	+14	212
40	10.58	7.3	3.7	2.2	152	+5	+7	+ 9	+11	+15	208
50	13.23	9.1	4.6	2.8	156	+5	+7	+ 9	+11	+15	204
					160	+5	+7	+ 9	+12	+16	200
10^{s}	0.04	0.0	0.0	0.0	164	+5	+7	+ 9	+12	+16	196
20	0.09	0.1	0.0	0.0	168	+5	+7	+ 9	+12	+16	192
30	0.13	0.1	0.0	0.0	172	+6	+8	+10	+13	+17	188
40	0.18	0.1	0.1	0.0	176	+6	+8	+10	+13	+17	184
50	0.22	0.2	0.1	0.0	180	+6	+8	+10	+13	+17	180

TITAN.

0h		U	B	P	0h		U	B	P
		° ′	° ′	° ′			° ′	° ′	° ′
Juli	27	244 47.8	−7 38.9	+2 46.4	Sept.	29	241 50.5	−5 59.8	+3 4.2
	29	244 46.9	7 37.9	2 46.5	Okt.	1	241 42.0	5 55.5	3 5.0
	31	244 45.7	7 36.7	2 46.6		3	241 33.6	5 51.3	3 5.9
Aug.	2	244 44.1	7 35.3	2 46.8		5	241 25.2	5 47.1	3 6.8
	4	244 42.1	7 33.8	2 47.0		7	241 16.8	5 43.0	3 7.6
	6	244 39.8	−7 32.1	+2 47.2		9	241 8.5	−5 38.9	+3 8.5
	8	244 37.1	7 30.2	2 47.5		11	241 0.2	5 34.9	3 9.3
	10	244 34.1	7 28.1	2 47.8		13	240 52.0	5 31.0	3 10.1
	12	244 30.7	7 25.9	2 48.1		15	240 44.0	5 27.2	3 10.9
	14	244 27.0	7 23.5	2 48.5		17	240 36.1	5 23.4	3 11.7
	16	244 22.9	−7 21.0	+2 48.9		19	240 28.3	−5 19.7	+3 12.5
	18	244 18.5	7 18.4	2 49.3		21	240 20.7	5 16.1	3 13.3
	20	244 13.8	7 15.6	2 49.8		23	240 13.2	5 12.6	3 14.0
	22	244 8.7	7 12.7	2 50.3		25	240 5.9	5 9.3	3 14.7
	24	244 3.4	7 9.7	2 50.8		27	239 58.9	5 6.1	3 15.4
	26	243 57.8	−7 6.5	+2 51.4		29	239 52.1	−5 3.0	+3 16.1
	28	243 51.9	7 3.2	2 52.0		31	239 45.5	5 0.1	3 16.7
	30	243 45.7	6 59.8	2 52.6	Nov.	2	239 39.2	4 57.3	3 17.3
Sept.	1	243 39.3	6 56.3	2 53.3		4	239 33.1	4 54.6	3 17.9
	3	243 32.6	6 52.7	2 54.0		6	239 27.3	4 52.1	3 18.5
	5	243 25.7	−6 49.0	+2 54.7		8	239 21.9	−4 49.8	+3 19.0
	7	243 18.6	6 45.2	2 55.4		10	239 16.7	4 47.6	3 19.5
	9	243 11.3	6 41.3	2 56.2		12	239 11.9	4 45.6	3 20.0
	11	243 3.8	6 37.4	2 56.9		14	239 7.4	4 43.8	3 20.4
	13	242 56.1	6 33.4	2 57.7		16	239 3.2	4 42.1	3 20.8
	15	242 48.3	−6 29.3	+2 58.5		18	238 59.3	−4 40.7	+3 21.2
	17	242 40.3	6 25.2	2 59.3		20	238 55.8	4 39.4	3 21.5
	19	242 32.2	6 21.0	3 0.1		22	238 52.7	4 38.3	3 21.8
	21	242 24.0	6 16.8	3 0.9		24	238 49.9	4 37.4	3 22.1
	23	242 15.7	6 12.6	3 1.7		26	238 47.5	4 36.7	3 22.3
	25	242 7.3	−6 8.4	+3 2.5		28	238 45.4	−4 36.2	+3 22.5
	27	241 58.9	6 4.1	3 3.3		30	238 43.7	4 35.9	3 22.7
	29	241 50.5	5 59.8	3 4.2	Dez.	2	238 42.5	4 35.8	3 22.8

TITAN.

0^h	$\alpha_{tr} - \alpha_{pl}$ (s)	Diff. (s)	$\delta_{tr} - \delta_{pl}$ (″)	Diff. (″)	0^h	$\alpha_{tr} - \alpha_{pl}$ (s)	Diff. (s)	$\delta_{tr} - \delta_{pl}$ (″)	Diff. (″)
Juli 27	+ 2.34	+4.54	—26.1	+ 0.1	Aug. 28	+ 3.21	+4.64	—25.7	+ 0.4
28	+ 6.88	+3.54	—26.0	+ 4.0	29	+ 7.85	+3.49	—25.3	+ 4.1
29	+10.42	+2.05	—22.0	+ 7.1	30	+11.34	+1.86	—21.2	+ 7.1
30	+12.47	+0.28	—14.9	+ 9.3	31	+13.20	—0.02	—14.1	+ 9.0
31	+12.75	—1.52	— 5.6	+10.1	Sept. 1	+13.18	—1.89	— 5.1	+ 9.8
Aug. 1	+11.23	—3.12	+ 4.5	+ 9.5	2	+11.29	—3.51	+ 4.7	+ 9.0
2	+ 8.11	—4.31	+14.0	+ 7.4	3	+ 7.78	—4.65	+13.7	+ 7.0
3	+ 3.80	—4.89	+21.4	+ 4.2	4	+ 3.13	—5.12	+20.7	+ 3.9
4	— 1.09	—4.74	+25.6	+ 0.3	5	— 1.99	—4.82	+24.6	+ 0.2
5	— 5.83	—3.82	+25.9	— 3.7	6	— 6.81	—3.74	+24.8	— 3.8
6	— 9.65	—2.24	+22.2	— 7.3	7	—10.55	—2.00	+21.0	— 7.2
7	—11.89	—0.27	+14.9	— 9.8	8	—12.55	+0.10	+13.8	— 9.3
8	—12.16	+1.76	+ 5.1	—10.7	9	—12.45	+2.18	+ 4.5	—10.0
9	—10.40	+3.50	— 5.6	— 9.7	10	—10.27	+3.89	— 5.5	— 9.1
10	— 6.90	+4.63	—15.3	— 7.2	11	— 6.38	+4.95	—14.6	— 6.7
11	— 2.27	+5.00	—22.5	— 3.7	12	— 1.43	+5.17	—21.3	— 3.3
12	+ 2.73	+4.61	—26.2	+ 0.3	13	+ 3.74	+4.61	—24.6	+ 0.4
13	+ 7.34	+3.54	—25.9	+ 4.1	14	+ 8.35	+3.39	—24.2	+ 3.9
14	+10.88	+1.98	—21.8	+ 7.2	15	+11.74	+1.70	—20.3	+ 6.8
15	+12.86	+0.15	—14.6	+ 9.3	16	+13.44	—0.22	—13.5	+ 8.6
16	+13.01	—1.69	— 5.3	+10.0	17	+13.22	—2.09	— 4.9	+ 9.2
17	+11.32	—3.31	+ 4.7	+ 9.3	18	+11.13	—3.69	+ 4.3	+ 8.6
18	+ 8.01	—4.49	+14.0	+ 7.3	19	+ 7.44	—4.79	+12.9	+ 6.7
19	+ 3.52	—5.02	+21.3	+ 4.1	20	+ 2.65	—5.18	+19.6	+ 3.8
20	— 1.50	—4.80	+25.4	+ 0.2	21	— 2.53	—4.78	+23.4	+ 0.1
21	— 6.30	—3.80	+25.6	— 3.8	22	— 7.31	—3.61	+23.5	— 3.6
22	—10.10	—2.15	+21.8	— 7.4	23	—10.92	—1.81	+19.9	— 6.7
23	—12.25	—0.11	+14.4	— 9.7	24	—12.73	+0.32	+13.2	— 8.8
24	—12.36	+1.96	+ 4.7	—10.4	25	—12.41	+2.40	+ 4.4	— 9.5
25	—10.40	+3.70	— 5.7	— 9.5	26	—10.01	+4.07	— 5.1	— 8.6
26	— 6.70	+4.80	—15.2	— 7.0	27	— 5.94	+5.03	—13.7	— 6.3
27	— 1.90	+5.11	—22.2	— 3.5	28	— 0.91	+5.18	—20.0	— 3.2
28	+ 3.21		—25.7		29	+ 4.27		—23.2	

TITAN.

0^h	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
Sept. 29	+ 4.27 s	+4.54 s	−23.2″	+0.3″
30	+ 8.81	+3.24	−22.9	+3.7
Okt. 1	+12.05	+1.50	−19.2	+6.3
2	+13.55	−0.43	−12.9	+8.0
3	+13.12	−2.29	− 4.9	+8.7
4	+10.83	−3.85	+ 3.8	+8.1
5	+ 6.98	−4.87	+11.9	+6.3
6	+ 2.11	−5.17	+18.2	+3.5
7	− 3.06	−4.69	+21.7	+0.3
8	− 7.75	−3.44	+22.0	−3.2
9	−11.19	−1.59	+18.8	−6.3
10	−12.78	+0.54	+12.5	−8.2
11	−12.24	+2.60	+ 4.3	−8.8
12	− 9.64	+4.20	− 4.5	−8.0
13	− 5.44	+5.08	−12.5	−6.0
14	− 0.36	+5.13	−18.5	−3.1
15	+ 4.77	+4.40	−21.6	+0.2
16	+ 9.17	+3.05	−21.4	+3.2
17	+12.22	+1.30	−18.2	+5.8
18	+13.52	−0.63	−12.4	+7.5
19	+12.89	−2.47	− 4.9	+8.1
20	+10.42	−3.96	+ 3.2	+7.6
21	+ 6.46	−4.89	+10.8	+6.0
22	+ 1.57	−5.12	+16.8	+3.4
23	− 3.55	−4.55	+20.2	+0.3
24	− 8.10	−3.24	+20.5	−2.9
25	−11.34	−1.36	+17.6	−5.7
26	−12.70	+0.76	+11.9	−7.6
27	−11.94	+2.76	+ 4.3	−8.3
28	− 9.18	+4.27	− 4.0	−7.5
29	− 4.91	+5.06	−11.5	−5.7
30	+ 0.15	+5.03	−17.2	−3.0
31	+ 5.18		−20.2	

0^h	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
Okt. 31	+ 5.18 s	+4.24 s	−20.2″	+0.1″
Nov. 1	+ 9.42	+2.84	−20.1	+2.9
2	+12.26	+1.08	−17.2	+5.4
3	+13.34	−0.81	−11.8	+7.0
4	+12.53	−2.59	− 4.8	+7.6
5	+ 9.94	−4.01	+ 2.8	+7.1
6	+ 5.93	−4.86	+ 9.9	+5.7
7	+ 1.07	−5.01	+15.6	+3.3
8	− 3.94	−4.37	+18.9	+0.4
9	− 8.31	−3.03	+19.3	−2.7
10	−11.34	−1.15	+16.6	−5.3
11	−12.49	+0.94	+11.3	−7.1
12	−11.55	+2.86	+ 4.2	−7.8
13	− 8.69	+4.28	− 3.6	−7.2
14	− 4.41	+4.99	−10.8	−5.4
15	+ 0.58	+4.89	−16.2	−2.9
16	+ 5.47	+4.05	−19.1	0.0
17	+ 9.52	+2.65	−19.1	+2.8
18	+12.17	+0.90	−16.3	+5.0
19	+13.07	−0.95	−11.3	+6.6
20	+12.12	−2.67	− 4.7	+7.3
21	+ 9.45	−4.01	+ 2.6	+6.9
22	+ 5.44	−4.79	+ 9.5	+5.4
23	+ 0.65	−4.87	+14.9	+3.2
24	− 4.22	−4.19	+18.1	+0.4
25	− 8.41	−2.82	+18.5	−2.6
26	−11.23	−0.96	+15.9	−5.2
27	−12.19	+1.06	+10.7	−6.9
28	−11.13	+2.91	+ 3.8	−7.5
29	− 8.22	+4.26	− 3.7	−6.8
30	− 3.96	+4.88	−10.5	−5.2
Dez. 1	+ 0.92	+4.72	−15.7	−2.7
2	+ 5.64		−18.4	

HYPERION.

0^h	U	B	P	0^h	U	B	P
	° ′	° ′	° ′		° ′	° ′	° ′
Juli 27	241 0.2	−7 3.3	+2 56.3	Sept. 29	238 2.1	−5 24.0	+3 12.5
29	240 59.3	7 2.3	2 56.4	Okt. 1	237 53.6	5 19.7	3 13.2
31	240 58.0	7 1.1	2 56.5	3	237 45.1	5 15.5	3 14.0
Aug. 2	240 56.4	6 59.7	2 56.7	5	237 36.7	5 11.3	3 14.8
4	240 54.4	6 58.2	2 56.9	7	237 28.3	5 7.2	3 15.5
6	240 52.0	−6 56.5	+2 57.1	9	237 20.0	−5 3.1	+3 16.3
8	240 49.3	6 54.6	2 57.4	11	237 11.7	4 59.1	3 17.0
10	240 46.2	6 52.6	2 57.7	13	237 3.5	4 55.2	3 17.8
12	240 42.8	6 50.4	2 58.0	15	236 55.4	4 51.3	3 18.5
14	240 39.0	6 48.0	2 58.3	17	236 47.5	4 47.5	3 19.2
16	240 34.9	−6 45.5	+2 58.7	19	236 39.7	−4 43.8	+3 19.9
18	240 30.5	6 42.9	2 59.1	21	236 32.1	4 40.2	3 20.6
20	240 25.8	6 40.1	2 59.5	23	236 24.6	4 36.7	3 21.3
22	240 20.8	6 37.2	2 59.9	25	236 17.3	4 33.3	3 22.0
24	240 15.4	6 34.1	3 0.4	27	236 10.2	4 30.1	3 22.6
26	240 9.7	−6 30.9	+3 0.9	29	236 3.4	−4 27.0	+3 23.2
28	240 3.8	6 27.6	3 1.5	31	235 56.8	4 24.0	3 23.8
30	239 57.6	6 24.2	3 2.1	Nov. 2	235 50.5	4 21.2	3 24.4
Sept. 1	239 51.2	6 20.6	3 2.7	4	235 44.4	4 18.5	3 24.9
3	239 44.5	6 17.0	3 3.3	6	235 38.6	4 16.0	3 25.4
5	239 37.6	−6 13.3	+3 3.9	8	235 33.1	−4 13.7	+3 25.9
7	239 30.4	6 9.5	3 4.5	10	235 27.9	4 11.5	3 26.4
9	239 23.1	6 5.6	3 5.2	12	235 23.0	4 9.5	3 26.8
11	239 15.6	6 1.6	3 5.9	14	235 18.4	4 7.7	3 27.2
13	239 7.9	5 57.6	3 6.6	16	235 14.2	4 6.1	3 27.6
15	239 0.0	−5 53.5	+3 7.3	18	235 10.3	−4 4.6	+3 27.9
17	238 52.0	5 49.4	3 8.0	20	235 6.8	4 3.3	3 28.2
19	238 43.9	5 45.2	3 8.7	22	235 3.6	4 2.2	3 28.5
21	238 35.7	5 41.0	3 9.5	24	235 0.8	4 1.3	3 28.7
23	238 27.4	5 36.8	3 10.2	26	234 58.3	4 0.6	3 28.9
25	238 19.0	−5 32.6	+3 11.0	28	234 56.2	−4 0.1	+3 29.1
27	238 10.6	5 28.3	3 11.7	30	234 54.5	3 59.8	3 29.3
29	238 2.1	5 24.0	3 12.5	Dez. 2	234 53.2	3 59.7	3 29.4

HYPERION.

0^h	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
Juli 27	−5.03 s	−3.91 s	+27.9″	−2.3″
28	−8.94	−2.86	+25.6	−5.3
29	−11.80	−1.37	+20.3	−7.9
30	−13.17	+0.33	+12.4	−9.5
31	−12.84	+1.94	+2.9	−9.8
Aug. 1	−10.90	+3.22	−6.9	−9.1
2	−7.68	+4.06	−16.0	−7.4
3	−3.62	+4.43	−23.4	−5.1
4	+0.81	+4.39	−28.5	−2.7
5	+5.20	+4.00	−31.2	−0.4
6	+9.20	+3.36	−31.6	+1.9
7	+12.56	+2.54	−29.7	+3.8
8	+15.10	+1.60	−25.9	+5.5
9	+16.70	+0.56	−20.4	+6.7
10	+17.26	−0.50	−13.7	+7.6
11	+16.76	−1.57	−6.1	+7.9
12	+15.19	−2.58	+1.8	+7.8
13	+12.61	−3.48	+9.6	+7.1
14	+9.13	−4.20	+16.7	+5.8
15	+4.93	−4.62	+22.5	+3.9
16	+0.31	−4.65	+26.4	+1.4
17	−4.34	−4.20	+27.8	−1.5
18	−8.54	−3.20	+26.3	−4.6
19	−11.74	−1.72	+21.7	−7.3
20	−13.46	+0.02	+14.4	−9.1
21	−13.44	+1.72	+5.3	−9.7
22	−11.72	+3.12	−4.4	−9.1
23	−8.60	+4.08	−13.5	−7.7
24	−4.52	+4.54	−21.2	−5.7
25	+0.02	+4.55	−26.9	−3.3
26	+4.57	+4.21	−30.2	−1.0
27	+8.78	+3.59	−31.2	+1.3
28	+12.37		−29.9	
Aug. 28	+12.37 s	+2.77 s	−29.9″	+3.2″
29	+15.14	+1.82	−26.7	+4.9
30	+16.96	+0.77	−21.8	+6.1
31	+17.73	−0.33	−15.7	+7.1
Sept. 1	+17.40	−1.43	−8.6	+7.7
2	+15.97	−2.48	−0.9	+7.7
3	+13.49	−3.42	+6.8	+7.0
4	+10.07	−4.20	+13.8	+6.0
5	+5.87	−4.69	+19.8	+4.4
6	+1.18	−4.78	+24.2	+2.1
7	−3.60	−4.40	+26.3	−0.6
8	−8.00	−3.49	+25.7	−3.4
9	−11.49	−2.06	+22.3	−6.2
10	−13.55	−0.30	+16.1	−8.2
11	−13.85	+1.47	+7.9	−9.1
12	−12.38	+2.98	−1.2	−8.9
13	−9.40	+4.04	−10.1	−7.8
14	−5.36	+4.59	−17.9	−5.9
15	−0.77	+4.67	−23.8	−3.9
16	+3.90	+4.36	−27.7	−1.7
17	+8.26	+3.77	−29.4	+0.5
18	+12.03	+2.96	−28.9	+2.3
19	+14.99	+2.01	−26.6	+4.0
20	+17.00	+0.95	−22.6	+5.3
21	+17.95	−0.16	−17.3	+6.3
22	+17.79	−1.27	−11.0	+6.9
23	+16.52	−2.33	−4.1	+7.2
24	+14.19	−3.31	+3.1	+6.8
25	+10.88	−4.12	+9.9	+6.1
26	+6.76	−4.67	+16.0	+4.8
27	+2.09	−4.86	+20.8	+2.9
28	−2.77	−4.56	+23.7	+0.5
29	−7.33		+24.2	

HYPERION.

0^h	$\alpha_{tr} - \alpha_{pl}$ (s)	Diff. (s)	$\delta_{tr} - \delta_{pl}$ (″)	Diff. (″)
Sept. 29	− 7.33	−3.71	+24.2	−2.2
30	−11.04	−2.35	+22.0	−4.8
Okt. 1	−13.39	−0.63	+17.2	−6.9
2	−14.02	+1.18	+10.3	−8.1
3	−12.84	+2.77	+ 2.2	−8.3
4	−10.07	+3.91	− 6.1	−7.6
5	− 6.16	+4.55	−13.7	−6.2
6	− 1.61	+4.70	−19.9	−4.3
7	+ 3.09	+4.45	−24.2	−2.4
8	+ 7.54	+3.90	−26.6	−0.5
9	+11.44	+3.11	−27.1	+1.4
10	+14.55	+2.18	−25.7	+2.9
11	+16.73	+1.13	−22.8	+4.3
12	+17.86	+0.04	−18.5	+5.3
13	+17.90	−1.07	−13.2	+6.1
14	+16.83	−2.15	− 7.1	+6.5
15	+14.68	−3.13	− 0.6	+6.5
16	+11.55	−3.96	+ 5.9	+6.0
17	+ 7.59	−4.55	+11.9	+5.0
18	+ 3.04	−4.81	+16.9	+3.5
19	− 1.77	−4.62	+20.4	+1.5
20	− 6.39	−3.90	+21.9	−0.8
21	−10.29	−2.63	+21.1	−3.3
22	−12.92	−0.98	+17.8	−5.5
23	−13.90	+0.82	+12.3	−7.0
24	−13.08	+2.45	+ 5.3	−7.6
25	−10.63	+3.68	− 2.3	−7.3
26	− 6.95	+4.41	− 9.6	−6.2
27	− 2.54	+4.65	−15.8	−4.7
28	+ 2.11	+4.46	−20.5	−3.1
29	+ 6.57	+3.97	−23.6	−1.3
30	+10.54	+3.24	−24.9	+0.4
31	+13.78		−24.5	

0^h	$\alpha_{tr} - \alpha_{pl}$ (s)	Diff. (s)	$\delta_{tr} - \delta_{pl}$ (″)	Diff. (″)
Okt. 31	+13.78	+2.33	−24.5	+2.0
Nov. 1	+16.11	+1.33	−22.5	+3.2
2	+17.44	+0.26	−19.3	+4.4
3	+17.70	−0.82	−14.9	+5.3
4	+16.88	−1.88	− 9.6	+5.8
5	+15.00	−2.86	− 3.8	+6.0
6	+12.14	−3.71	+ 2.2	+5.8
7	+ 8.43	−4.34	+ 8.0	+5.3
8	+ 4.09	−4.68	+13.3	+4.0
9	− 0.59	−4.61	+17.3	+2.3
10	− 5.20	−4.02	+19.6	+0.3
11	− 9.22	−2.91	+19.9	−2.0
12	−12.13	−1.37	+17.9	−4.2
13	−13.50	+0.37	+13.7	−6.0
14	−13.13	+2.03	+ 7.7	−6.8
15	−11.10	+3.34	+ 0.9	−6.9
16	− 7.76	+4.16	− 6.0	−6.3
17	− 3.60	+4.50	−12.3	−5.1
18	+ 0.90	+4.42	−17.4	−3.5
19	+ 5.32	+4.00	−20.9	−2.0
20	+ 9.32	+3.34	−22.9	−0.4
21	+12.66	+2.50	−23.3	+1.1
22	+15.16	+1.55	−22.2	+2.5
23	+16.71	+0.53	−19.7	+3.7
24	+17.24	−0.51	−16.0	+4.6
25	+16.73	−1.54	−11.4	+5.3
26	+15.19	−2.51	− 6.1	+5.6
27	+12.68	−3.37	− 0.5	+5.7
28	+ 9.31	−4.06	+ 5.2	+5.3
29	+ 5.25	−4.47	+10.5	+4.3
30	+ 0.78	−4.52	+14.8	+3.0
Dez. 1	− 3.74	−4.11	+17.8	+1.2
2	− 7.85		+19.0	

JAPETUS.

0h	U	B	P	0h	U	B	P
Juli 27	319° 38.7′	−11° 7.3′	−10° 49.7′	Sept. 29	316° 22.5′	−10° 11.9′	−10° 16.6′
29	319 37.6	11 6.5	10 49.5	Okt. 1	316 13.3	10 9.7	10 15.0
31	319 36.1	11 5.6	10 49.3	3	316 4.0	10 7.6	10 13.4
Aug. 2	319 34.3	11 4.7	10 49.0	5	315 54.8	10 5.5	10 11.8
4	319 32.1	11 3.7	10 48.6	7	315 45.6	10 3.4	10 10.2
6	319 29.5	−11 2.6	−10 48.1	9	315 36.5	−10 1.3	−10 8.6
8	319 26.5	11 1.4	10 47.6	11	315 27.5	9 59.3	10 7.0
10	319 23.1	11 0.1	10 47.0	13	315 18.6	9 57.3	10 5.4
12	319 19.3	10 58.7	10 46.4	15	315 9.9	9 55.4	10 3.9
14	319 15.1	10 57.3	10 45.7	17	315 1.3	9 53.5	10 2.4
16	319 10.6	−10 55.8	−10 45.0	19	314 52.8	− 9 51.7	−10 0.9
18	319 5.7	10 54.2	10 44.2	21	314 44.5	9 49.9	9 59.4
20	319 0.4	10 52.6	10 43.3	23	314 36.4	9 48.2	9 58.0
22	318 54.8	10 50.9	10 42.4	25	314 28.5	9 46.6	9 56.6
24	318 48.9	10 49.2	10 41.4	27	314 20.9	9 45.1	9 55.3
26	318 42.7	−10 47.4	−10 40.4	29	314 13.5	− 9 43.6	− 9 54.0
28	318 36.1	10 45.6	10 39.3	31	314 6.4	9 42.2	9 52.7
30	318 29.2	10 43.7	10 38.1	Nov. 2	313 59.6	9 40.9	9 51.5
Sept. 1	318 22.1	10 41.8	10 36.9	4	313 53.1	9 39.7	9 50.3
3	318 14.7	10 39.8	10 35.7	6	313 46.9	9 38.6	9 49.2
5	318 7.1	−10 37.8	−10 34.4	8	313 41.0	− 9 37.5	− 9 48.1
7	317 59.3	10 35.7	10 33.1	10	313 35.5	9 36.6	9 47.1
9	317 51.2	10 33.6	10 31.7	12	313 30.3	9 35.8	9 46.2
11	317 42.9	10 31.5	10 30.3	14	313 25.5	9 35.0	9 45.3
13	317 34.5	10 29.4	10 28.9	16	313 21.0	9 34.3	9 44.5
15	317 25.9	−10 27.3	−10 27.4	18	313 16.9	− 9 33.8	− 9 43.8
17	317 17.1	10 25.1	10 25.9	20	313 13.2	9 33.3	9 43.1
19	317 8.2	10 22.9	10 24.4	22	313 9.9	9 32.9	9 42.5
21	316 59.2	10 20.7	10 22.9	24	313 7.0	9 32.6	9 42.0
23	316 50.1	10 18.5	10 21.4	26	313 4.5	9 32.4	9 41.6
25	316 40.9	−10 16.3	−10 19.8	28	313 2.4	− 9 32.4	− 9 41.2
27	316 31.7	10 14.1	10 18.2	30	313 0.8	9 32.5	9 40.9
29	316 22.5	10 11.9	10 16.6	Dez. 2	312 59.6	9 32.7	9 40.6

JAPETUS.

0^h	$\alpha_{tr} - \alpha_{pl}$ (s)	Diff. (s)	$\delta_{tr} - \delta_{pl}$ (″)	Diff. (″)
Juli 27	−24.05	−2.01	+ 15.3	−11.3
28	−26.06	−1.86	+ 4.0	−11.4
29	−27.92	−1.70	− 7.4	−11.4
30	−29.62	−1.52	− 18.8	−11.3
31	−31.14	−1.34	− 30.1	−11.2
Aug. 1	−32.48	−1.14	− 41.3	−10.9
2	−33.62	−0.93	− 52.2	−10.6
3	−34.55	−0.72	− 62.8	−10.3
4	−35.27	−0.50	− 73.1	− 9.8
5	−35.77	−0.27	− 82.9	− 9.3
6	−36.04	−0.04	− 92.2	− 8.7
7	−36.08	+0.19	−100.9	− 8.0
8	−35.89	+0.43	−108.9	− 7.3
9	−35.46	+0.66	−116.2	− 6.6
10	−34.80	+0.89	−122.8	− 5.8
11	−33.91	+1.12	−128.6	− 4.9
12	−32.79	+1.35	−133.5	− 4.0
13	−31.44	+1.56	−137.5	− 3.1
14	−29.88	+1.77	−140.6	− 2.2
15	−28.11	+1.96	−142.8	− 1.1
16	−26.15	+2.14	−143.9	− 0.1
17	−24.01	+2.32	−144.0	+ 0.8
18	−21.69	+2.48	−143.2	+ 1.8
19	−19.21	+2.62	−141.4	+ 2.9
20	−16.59	+2.73	−138.5	+ 3.9
21	−13.86	+2.84	−134.6	+ 4.7
22	−11.02	+2.93	−129.9	+ 5.6
23	− 8.09	+2.99	−124.3	+ 6.6
24	− 5.10	+3.03	−117.7	+ 7.4
25	− 2.07	+3.06	−110.3	+ 8.2
26	+ 0.99	+3.06	−102.1	+ 8.9
27	+ 4.05	+3.03	− 93.2	+ 9.6
28	+ 7.08		− 83.6	

0^h	$\alpha_{tr} - \alpha_{pl}$ (s)	Diff. (s)	$\delta_{tr} - \delta_{pl}$ (″)	Diff. (″)
Aug. 28	+ 7.08	+2.99	− 83.6	+10.2
29	+10.07	+2.93	− 73.4	+10.7
30	+13.00	+2.85	− 62.7	+11.1
31	+15.85	+2.74	− 51.6	+11.5
Sept. 1	+18.59	+2.62	− 40.1	+11.8
2	+21.21	+2.49	− 28.3	+11.9
3	+23.70	+2.33	− 16.4	+12.1
4	+26.03	+2.16	− 4.3	+12.1
5	+28.19	+1.97	+ 7.8	+12.0
6	+30.16	+1.77	+ 19.8	+11.9
7	+31.93	+1.56	+ 31.7	+11.7
8	+33.49	+1.34	+ 43.4	+11.4
9	+34.83	+1.11	+ 54.8	+11.0
10	+35.94	+0.88	+ 65.8	+10.6
11	+36.82	+0.64	+ 76.4	+10.1
12	+37.46	+0.39	+ 86.5	+ 9.5
13	+37.85	+0.15	+ 96.0	+ 8.8
14	+38.00	−0.09	+104.8	+ 8.2
15	+37.91	−0.33	+113.0	+ 7.4
16	+37.58	−0.57	+120.4	+ 6.6
17	+37.01	−0.81	+127.0	+ 5.8
18	+36.20	−1.04	+132.8	+ 5.0
19	+35.16	−1.25	+137.8	+ 4.1
20	+33.91	−1.47	+141.9	+ 3.2
21	+32.44	−1.67	+145.1	+ 2.3
22	+30.77	−1.86	+147.4	+ 1.4
23	+28.91	−2.04	+148.8	+ 0.5
24	+26.87	−2.21	+149.3	− 0.5
25	+24.66	−2.36	+148.8	− 1.4
26	+22.30	−2.50	+147.4	− 2.2
27	+19.80	−2.62	+145.2	− 3.1
28	+17.18	−2.72	+142.1	− 4.0
29	+14.46		+138.1	

JAPETUS.

0^h	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
Sept. 29	+14.46 s	−2.81 s	+138.1″	− 4.8″
30	+11.65	−2.87	+133.3	− 5.7
Okt. 1	+ 8.78	−2.93	+127.6	− 6.4
2	+ 5.85	−2.97	+121.2	− 7.1
3	+ 2.88	−2.99	+114.1	− 7.8
4	− 0.11	−2.98	+106.3	− 8.3
5	− 3.09	−2.96	+ 98.0	− 8.9
6	− 6.05	−2.92	+ 89.1	− 9.4
7	− 8.97	−2.87	+ 79.7	− 9.9
8	−11.84	−2.80	+ 69.8	−10.3
9	−14.64	−2.71	+ 59.5	−10.6
10	−17.35	−2.59	+ 48.9	−10.8
11	−19.94	−2.47	+ 38.1	−11.0
12	−22.41	−2.34	+ 27.1	−11.2
13	−24.75	−2.18	+ 15.9	−11.2
14	−26.93	−2.01	+ 4.7	−11.2
15	−28.94	−1.83	− 6.5	−11.1
16	−30.77	−1.63	− 17.6	−10.9
17	−32.40	−1.43	− 28.5	−10.7
18	−33.83	−1.21	− 39.2	−10.4
19	−35.04	−0.99	− 49.6	−10.0
20	−36.03	−0.76	− 59.6	− 9.6
21	−36.79	−0.52	− 69.2	− 9.1
22	−37.31	−0.28	− 78.3	− 8.6
23	−37.59	−0.03	− 86.9	− 8.0
24	−37.62	+0.21	− 94.9	− 7.3
25	−37.41	+0.46	−102.2	− 6.6
26	−36.95	+0.70	−108.8	− 5.8
27	−36.25	+0.94	−114.6	− 5.0
28	−35.31	+1.17	−119.6	− 4.3
29	−34.14	+1.40	−123.9	− 3.4
30	−32.74	+1.61	−127.3	− 2.5
31	−31.13		−129.8	

0^h	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
Okt. 31	−31.13 s	+1.82 s	−129.8″	− 1.6″
Nov. 1	−29.31	+2.02	−131.4	− 0.8
2	−27.29	+2.20	−132.2	+ 0.2
3	−25.09	+2.36	−132.0	+ 1.1
4	−22.73	+2.51	−130.9	+ 2.0
5	−20.22	+2.65	−128.9	+ 2.9
6	−17.57	+2.76	−126.0	+ 3.8
7	−14.81	+2.86	−122.2	+ 4.5
8	−11.95	+2.93	−117.7	+ 5.3
9	− 9.02	+2.98	−112.4	+ 6.1
10	− 6.04	+3.02	−106.3	+ 6.8
11	− 3.02	+3.03	− 99.5	+ 7.5
12	+ 0.01	+3.02	− 92.0	+ 8.1
13	+ 3.03	+2.99	− 83.9	+ 8.6
14	+ 6.02	+2.94	− 75.3	+ 9.1
15	+ 8.96	+2.88	− 66.2	+ 9.5
16	+11.84	+2.78	− 56.7	+ 9.8
17	+14.62	+2.67	− 46.9	+10.2
18	+17.29	+2.54	− 36.7	+10.4
19	+19.83	+2.40	− 26.3	+10.4
20	+22.23	+2.24	− 15.9	+10.5
21	+24.47	+2.08	− 5.4	+10.6
22	+26.55	+1.89	+ 5.2	+10.5
23	+28.44	+1.69	+ 15.7	+10.3
24	+30.13	+1.48	+ 26.0	+10.1
25	+31.61	+1.28	+ 36.1	+ 9.9
26	+32.89	+1.06	+ 46.0	+ 9.5
27	+33.95	+0.83	+ 55.5	+ 9.1
28	+34.78	+0.60	+ 64.6	+ 8.6
29	+35.38	+0.38	+ 73.2	+ 8.2
30	+35.76	+0.15	+ 81.4	+ 7.6
Dez. 1	+35.91	−0.07	+ 89.0	+ 7.1
2	+35.84		+ 96.1	

Elongationen.

MIMAS.

		h				h				h				h	
Juli	27	6.5	W.	Aug.	17	0.1	W.	Sept.	6	17.6	W.	Sept.	27	11.1	W.
	27	17.8	O.		17	11.4	O.		7	4.9	O.		27	22.4	O.
	28	5.1	W.		17	22.7	W.		7	16.2	W.		28	9.7	W.
	28	16.4	O.		18	10.0	O.		8	3.5	O.		28	21.0	O.
	29	3.7	W.		18	21.3	W.		8	14.8	W.		29	8.3	W.
	29	15.0	O.		19	8.6	O.		9	2.1	O.		29	19.6	O.
	30	2.4	W.		19	19.9	W.		9	13.5	W.		30	6.9	W.
	30	13.7	O.		20	7.2	O.		10	0.8	O.		30	18.2	O.
	31	1.0	W.		20	18.6	W.		10	12.1	W.	Okt.	1	5.5	W.
	31	12.3	O.		21	5.9	O.		10	23.4	O.		1	16.8	O.
	31	23.6	W.		21	17.2	W.		11	10.7	W.		2	4.2	W.
Aug.	1	10.9	O.		22	4.5	O.		11	22.0	O.		2	15.5	O.
	1	22.2	W.		22	15.8	W.		12	9.3	W.		3	2.8	W.
	2	9.5	O.		23	3.1	O.		12	20.6	O.		3	14.1	O.
	2	20.8	W.		23	14.4	W.		13	7.9	W.		4	1.4	W.
	3	8.1	O.		24	1.7	O.		13	19.2	O.		4	12.7	O.
	3	19.4	W.		24	13.0	W.		14	6.5	W.		5	0.0	W.
	4	6.7	O.		25	0.3	O.		14	17.8	O.		5	11.3	O.
	4	18.1	W.		25	11.6	W.		15	5.1	W.		5	22.6	W.
	5	5.4	O.		25	22.9	O.		15	16.4	O.		6	9.9	O.
	5	16.7	W.		26	10.3	W.		16	3.7	W.		6	21.2	W.
	6	4.0	O.		26	21.6	O.		16	15.0	O.		7	8.5	O.
	6	15.3	W.		27	8.9	W.		17	2.3	W.		7	19.9	W.
	7	2.6	O.		27	20.2	O.		17	13.6	O.		8	7.2	O.
	7	13.9	W.		28	7.5	W.		18	1.0	W.		8	18.5	W.
	8	1.2	O.		28	18.8	O.		18	12.3	O.		9	5.8	O.
	8	12.5	W.		29	6.1	W.		18	23.6	W.		9	17.1	W.
	8	23.8	O.		29	17.4	O.		19	10.9	O.		10	4.4	O.
	9	11.1	W.		30	4.7	W.		19	22.2	W.		10	15.7	W.
	9	22.4	O.		30	16.0	O.		20	9.5	O.		11	3.0	O.
	10	9.8	W.		31	3.3	W.		20	20.8	W.		11	14.3	W.
	10	21.1	O.		31	14.6	O.		21	8.1	O.		12	1.6	O.
	11	8.4	W.	Sept.	1	1.9	W.		21	19.4	W.		12	12.9	W.
	11	19.7	O.		1	13.2	O.		22	6.7	O.		13	0.2	O.
	12	7.0	W.		2	0.6	W.		22	18.0	W.		13	11.6	W.
	12	18.3	O.		2	11.9	O.		23	5.3	O.		13	22.9	O.
	13	5.6	W.		2	23.2	W.		23	16.6	W.		14	10.2	W.
	13	16.9	O.		3	10.5	O.		24	3.9	O.		14	21.5	O.
	14	4.2	W.		3	21.8	W.		24	15.2	W.		15	8.8	W.
	14	15.5	O.		4	9.1	O.		25	2.5	O.		15	20.1	O.
	15	2.9	W.		4	20.4	W.		25	13.9	W.		16	7.4	W.
	15	14.2	O.		5	7.7	O.		26	1.2	O.		16	18.7	O.
	16	1.5	W.		5	19.0	W.		26	12.5	W.		17	6.0	W.
	16	12.8	O.		6	6.3	O.		26	23.8	O.		17	17.3	O

Elongationen.

MIMAS (Fortsetzung)

		h				h				h				h	
Okt.	18	4.6	W.	Okt.	29	12.0	W.	Nov.	9	19.4	W.	Nov.	21	2.8	W.
	18	15.9	O.		29	23.3	O.		10	6.7	O.		21	14.1	O.
	19	3.2	W.		30	10.6	W.		10	18.0	W.		22	1.4	W.
	19	14.5	O.		30	21.9	O.		11	5.3	O.		22	12.7	O.
	20	1.9	W.		31	9.2	W.		11	16.6	W.		23	0.0	W.
	20	13.2	O.		31	20.5	O.		12	3.9	O.		23	11.3	O.
	21	0.5	W.	Nov.	1	7.8	W.		12	15.2	W.		23	22.6	W.
	21	11.8	O.		1	19.1	O.		13	2.5	O.		24	9.9	O.
	21	23.1	W.		2	6.4	W.		13	13.8	W.		24	21.2	W.
	22	10.4	O.		2	17.7	O.		14	1.1	O.		25	8.6	O.
	22	21.7	W.		3	5.1	W.		14	12.5	W.		25	19.8	W.
	23	9.0	O.		3	16.4	O.		14	23.8	O.		26	7.2	O.
	23	20.3	W.		4	3.7	W.		15	11.1	W.		26	18.4	W.
	24	7.6	O.		4	15.0	O.		15	22.4	O.		27	5.8	O.
	24	18.9	W.		5	2.3	W.		16	9.7	W.		27	17.0	W.
	25	6.2	O.		5	13.6	O.		16	21.0	O.		28	4.4	O.
	25	17.5	W.		6	0.9	W.		17	8.3	W.		28	15.7	W.
	26	4.8	O.		6	12.2	O.		17	19.6	O.		29	3.0	O.
	26	16.1	W.		6	23.5	W.		18	6.9	W.		29	14.3	W.
	27	3.4	O.		7	10.8	O.		18	18.2	O.		30	1.6	O.
	27	14.8	W.		7	22.1	W.		19	5.5	W.		30	12.9	W.
	28	2.1	O.		8	9.4	O.		19	16.9	O.	Dez.	1	0.3	O.
	28	13.4	W.		8	20.8	W.		20	4.1	W.		1	11.5	W.
	29	0.7	O.		9	8.1	O.		20	15.5	O.		1	22.9	O.

ENCELADUS.

		h				h				h				h	
Juli	27	0.3	W.	Aug.	7	15.8	O.	Aug.	19	7.3	W.	Aug.	30	22.7	O.
	27	16.7	O.		8	8.2	W.		19	23.7	O.		31	15.2	W.
	28	9.2	W.		9	0.6	O.		20	16.2	W.	Sept.	1	7.6	O.
	29	1.6	O.		9	17.1	W.		21	8.6	O.		2	0.1	W.
	29	18.1	W.		10	9.5	O.		22	1.1	W.		2	16.5	O.
	30	10.5	O.		11	2.0	W.		22	17.5	O.		3	9.0	W.
	31	2.9	W.		11	18.4	O.		23	10.0	W.		4	1.4	O.
	31	19.3	O.		12	10.9	W.		24	2.4	O.		4	17.8	W.
Aug.	1	11.8	W.		13	3.3	O.		24	18.8	W.		5	10.2	O.
	2	4.2	O.		13	19.8	W.		25	11.2	O.		6	2.7	W.
	2	20.7	W.		14	12.2	O.		26	3.7	W.		6	19.1	O.
	3	13.1	O.		15	4.7	W.		26	20.1	O.		7	11.6	W.
	4	5.6	W.		15	21.1	O.		27	12.6	W.		8	4.0	O.
	4	22.0	O.		16	13.5	W.		28	5.0	O.		8	20.5	W.
	5	14.5	W.		17	5.9	O.		28	21.5	W.		9	12.9	O.
	6	6.9	O.		17	22.4	W.		29	13.9	O.		10	5.3	W.
	6	23.4	W.		18	14.8	O.		30	6.3	W.		10	21.7	O.

Elongationen.

ENCELADUS (Fortsetzung).

		h				h				h				h	
Sept.	11	14.2	W.	Okt.	2	3.4	W.	Okt.	22	16.5	W.	Nov.	12	5.7	W.
	12	6.6	O.		2	19.8	O.		23	8.9	O.		12	22.1	O.
	12	23.1	W.		3	12.2	W.		24	1.4	W.		13	14.6	W.
	13	15.5	O.		4	4.7	O.		24	17.8	O.		14	7.0	O.
	14	8.0	W.		4	21.1	W.		25	10.3	W.		14	23.5	W.
	15	0.4	O.		5	13.6	O.		26	2.7	O.		15	15.9	O.
	15	16.8	W.		6	6.0	W.		26	19.2	W.		16	8.4	W.
	16	9.3	O.		6	22.5	O.		27	11.6	O.		17	0.8	O.
	17	1.7	W.		7	14.9	W.		28	4.0	W.		17	17.3	W.
	17	18.1	O.		8	7.3	O.		28	20.4	O.		18	9.7	O.
	18	10.6	W.		8	23.8	W.		29	12.9	W.		19	2.2	W.
	19	3.0	O.		9	16.2	O.		30	5.3	O.		19	18.6	O.
	19	19.5	W.		10	8.7	W.		30	21.8	W.		20	11.0	W.
	20	11.9	O.		11	1.1	O.		31	14.2	O.		21	3.4	O.
	21	4.3	W.		11	17.5	W.	Nov.	1	6.7	W.		21	19.9	W.
	21	20.8	O.		12	10.0	O.		1	23.1	O.		22	12.3	O.
	22	13.2	W.		13	2.4	W.		2	15.6	W.		23	4.8	W
	23	5.7	O.		13	18.8	O.		3	8.0	O.		23	21.2	O.
	23	22.1	W.		14	11.3	W.		4	0.4	W.		24	13.7	W.
	24	14.6	O.		15	3.7	O.		4	16.8	O.		25	6.1	O.
	25	7.0	W.		15	20.2	W.		5	9.3	W.		25	22.6	W.
	25	23.4	O.		16	12.6	O.		6	1.7	O.		26	15.0	O.
	26	15.8	W.		17	5.0	W.		6	18.2	W.		27	7.5	W.
	27	8.3	O.		17	21.4	O.		7	10.6	O.		27	23.9	O.
	28	0.7	W.		18	13.9	W.		8	3.1	W.		28	16.3	W.
	28	17.2	O.		19	6.3	O.		8	19.5	O.		29	8.7	O.
	29	9.6	W.		19	22.8	W.		9	12.0	W.		30	1.2	W.
	30	2.1	O.		20	15.2	O.		10	4.4	O.		30	17.6	O.
	30	18.5	W.		21	7.7	W.		10	20.9	W.	Dez.	1	10.1	W.
Okt.	1	11.0	O.		22	0.1	O.		11	13.3	O.				

TETHYS.

		h				h				h				h	
Juli	27	14.7	O.	Aug.	6	23.8	W.	Aug.	17	9.0	O.	Aug.	27	18.1	W.
	28	13.3	W.		7	22.5	O.		18	7.6	W.		28	16.8	O.
	29	12.0	O.		8	21.1	W.		19	6.3	O.		29	15.4	W.
	30	10.6	W.		9	19.8	O.		20	4.9	W.		30	14.1	O.
	31	9.3	O.		10	18.4	W.		21	3.6	O.		31	12.7	W.
Aug.	1	7.9	W.		11	17.1	O.		22	2.2	W.	Sept.	1	11.4	O.
	2	6.6	O.		12	15.7	W.		23	0.9	O.		2	10.0	W.
	3	5.2	W.		13	14.4	O.		23	23.5	W.		3	8.7	O.
	4	3.9	O.		14	13.0	W.		24	22.2	O.		4	7.3	W.
	5	2.5	W.		15	11.7	O.		25	20.8	W.		5	5.9	O.
	6	1.2	O.		16	10.3	W.		26	19.5	O.		6	4.6	W.

Elongationen.

TETHYS (Fortsetzung).

Sept. 7	3.2 h	O.	Sept. 28	20.1 h	W.	Okt. 20	13.0 h	O.	Nov. 11	5.9 h	W.
8	1.9	W.	29	18.8	O.	21	11.6	W.	12	4.5	O.
9	0.5	O.	30	17.4	W.	22	10.3	O.	13	3.2	W.
9	23.2	W.	Okt. 1	16.1	O.	23	8.9	W.	14	1.8	O.
10	21.8	O.	2	14.7	W.	24	7.5	O.	15	0.5	W.
11	20.5	W.	3	13.4	O.	25	6.2	W.	15	23.1	O.
12	19.1	O.	4	12.0	W.	26	4.8	O.	16	21.8	W.
13	17.8	W.	5	10.7	O.	27	3.5	W.	17	20.4	O.
14	16.4	O.	6	9.3	W.	28	2.1	O.	18	19.1	W.
15	15.1	W.	7	7.9	O.	29	0.8	W.	19	17.7	O.
16	13.7	O.	8	6.5	W.	29	23.4	O.	20	16.4	W.
17	12.4	W.	9	5.2	O.	30	22.1	W.	21	15.0	O.
18	11.0	O.	10	3.8	W.	31	20.7	O.	22	13.7	W.
19	9.7	W.	11	2.5	O.	Nov. 1	19.4	W.	23	12.3	O.
20	8.3	O.	12	1.1	W.	2	18.0	O.	24	11.0	W.
21	6.9	W.	12	23.8	O.	3	16.7	W.	25	9.6	O.
22	5.6	O.	13	22.4	W.	4	15.3	O.	26	8.3	W.
23	4.2	W.	14	21.1	O.	5	14.0	W.	27	6.9	O.
24	2.9	O.	15	19.7	W.	6	12.6	O.	28	5.6	W.
25	1.5	W.	16	18.4	O.	7	11.3	W.	29	4.2	O.
26	0.2	O.	17	17.0	W.	8	9.9	O.	30	2.9	W.
26	22.8	W.	18	15.7	O.	9	8.6	W.	Dez. 1	1.5	O.
27	21.5	O.	19	14.3	W.	10	7.2	O.			

DIONE.

Juli 27	10.0 h	O.	Aug. 21	1.0 h	O.	Sept. 14	15.8 h	O.	Okt. 9	6.8 h	O.
28	18.8	W.	22	9.8	W.	16	0.7	W.	10	15.6	W.
30	3.7	O.	23	18.7	O.	17	9.5	O.	12	0.4	O.
31	12.4	W.	25	3.4	W.	18	18.4	W.	13	9.2	W.
Aug. 1	21.3	O.	26	12.3	O.	20	3.1	O.	14	18.1	O.
3	6.1	W.	27	21.1	W.	21	12.0	W.	16	2.9	W.
4	15.0	O.	29	6.0	O.	22	20.8	O.	17	11.7	O.
5	23.8	W.	30	14.8	W.	24	5.7	W.	18	20.6	W.
7	8.7	O.	31	23.6	O.	25	14.4	O.	20	5.4	O.
8	17.4	W.	Sept. 2	8.4	W.	26	23.3	W.	21	14.2	W.
10	2.3	O.	3	17.3	O.	28	8.1	O.	22	23.0	O.
11	11.1	W.	5	2.1	W.	29	17.0	W.	24	7.9	W.
12	20.0	O.	6	10.9	O.	Okt. 1	1.8	O.	25	16.7	O.
14	4.8	W.	7	19.8	W.	2	10.6	W.	27	1.5	W.
15	13.7	O.	9	4.6	O.	3	19.4	O.	28	10.3	O.
16	22.4	W.	10	13.4	W.	5	4.3	W.	29	19.2	W.
18	7.3	O.	11	22.2	O.	6	13.1	O.	31	4.0	O.
19	16.1	W.	13	7.1	W.	7	21.9	W.	Nov. 1	12.9	W.

Elongationen.

DIONE (Fortsetzung).

Nov. 2	21.7ʰ	O.	Nov. 11	2.7ʰ	O.	Nov. 19	7.7ʰ	O.	Nov. 27	12.7ʰ	O.
4	6.5	W.	12	11.5	W.	20	16.5	W.	28	21.5	W.
5	15.3	O.	13	20.3	O.	22	1.3	O.	30	6.3	O.
7	0.2	W.	15	5.2	W.	23	10.2	W.	Dez. 1	15.2	W.
8	9.0	O.	16	14.0	O.	24	19.0	O.			
9	17.9	W.	17	22.9	W.	26	3.9	W.			

RHEA.

Juli 27	16.4ʰ	O.	Aug. 30	13.2ʰ	W.	Okt. 3	9.7ʰ	O.	Nov. 6	6.3ʰ	W.
29	22.6	W.	Sept. 1	19.4	O.	5	15.8	W.	8	12.5	O.
Aug. 1	4.8	O.	4	1.6	W.	7	22.0	O.	10	18.6	W.
3	11.0	W.	6	7.7	O.	10	4.2	W.	13	0.8	O.
5	17.2	O.	8	13.9	W.	12	10.4	O.	15	7.0	W.
7	23.4	W.	10	20.1	O.	14	16.5	W.	17	13.2	O.
10	5.6	O.	13	2.3	W.	16	22.7	O.	19	19.4	W.
12	11.8	W.	15	8.4	O.	19	4.8	W.	22	1.6	O.
14	17.9	O.	17	14.6	W.	21	11.1	O.	24	7.8	W.
17	0.2	W.	19	20.7	O.	23	17.2	W.	26	14.0	O.
19	6.3	O.	22	2.9	W.	25	23.4	O.	28	20.2	W.
21	12.5	W.	24	9.1	O.	28	5.5	W.	Dez. 1	2.4	O.
23	18.6	O.	26	15.2	W.	30	11.8	O.			
26	0.9	W.	28	21.4	O.	Nov. 1	17.9	W.			
28	7.0	O.	Okt. 1	3.5	W.	4	0.1	O.			

TITAN.

Juli 30	16.0ʰ	O.	Aug. 31	12.1ʰ	O.	Okt. 2	7.2ʰ	O.	Nov. 3	2.3ʰ	O.
Aug. 7	16.0	W.	Sept. 8	12.0	W.	10	7.2	W.	11	2.8	W.
15	14.3	O.	16	9.7	O.	18	4.7	O.	19	0.3	O.
23	14.2	W.	24	9.6	W.	26	4.9	W.	27	1.0	W.

HYPERION.

Juli 30	7.1ʰ	W.	Aug. 31	6.5ʰ	O.	Okt. 1	20.3ʰ	W.	Nov. 2	20.2ʰ	O.
Aug. 10	2.2	O.	Sept. 10	15.8	W.	12	14.9	O.	13	7.4	W.
20	11.5	W.	21	10.6	O.	23	1.4	W.	24	2.9	O.

Elongationen und Konjunktionen.

JAPETUS.

Aug. 7	7.7ʰ	Westliche Elongation	Okt. 24	13.6ʰ	Westliche Elongation
26	3.5	Obere Konjunktion	Nov. 12	9.3	Obere Konjunktion
Sept. 14	2.7	Östliche Elongation	Dez. 1	10.6	Östliche Elongation
Okt. 4	10.3	Untere Konjunktion			

Verfinsterungen.

MIMAS.

	Mitte der Verfinsterung	Halbe Dauer		Mitte der Verfinsterung	Halbe Dauer		Mitte der Verfinsterung	Halbe Dauer
Juli 27	11h 50m	1h 5m	Aug. 29	11h 32m	1h 3m	Okt. 1	11h 17m	1h 1m
28	10 27	1 5	30	10 9	1 3	2	9 54	1 1
29	9 4	1 5	31	8 47	1 3	3	8 31	1 1
30	7 42	1 5	Sept. 1	7 24	1 3	4	7 8	1 1
31	6 19	1 5	2	6 1	1 3	5	5 46	1 1
Aug. 1	4 56	1 5	3	4 38	1 3	6	4 23	1 1
2	3 33	1 5	4	3 16	1 3	7	3 0	1 1
3	2 10	1 5	5	1 53	1 3	8	1 38	1 1
4	0 47	1 5	6	0 30	1 3	9	0 15	1 1
4	23 25	1 5	6	23 7	1 3	9	22 52	1 1
5	22 2	1 5	7	21 45	1 3	10	21 30	1 1
6	20 39	1 4	8	20 22	1 2	11	20 7	1 1
7	19 16	1 4	9	18 59	1 2	12	18 44	1 1
8	17 53	1 4	10	17 36	1 2	13	17 21	1 1
9	16 30	1 4	11	16 14	1 2	14	15 59	1 1
10	15 8	1 4	12	14 51	1 2	15	14 36	1 0
11	13 45	1 4	13	13 28	1 2	16	13 13	1 0
12	12 22	1 4	14	12 5	1 2	17	11 51	1 0
13	10 59	1 4	15	10 43	1 2	18	10 28	1 0
14	9 36	1 4	16	9 20	1 2	19	9 5	1 0
15	8 14	1 4	17	7 57	1 2	20	7 43	1 0
16	6 51	1 4	18	6 34	1 2	21	6 20	1 0
17	5 28	1 4	19	5 12	1 2	22	4 57	1 0
18	4 5	1 4	20	3 49	1 2	23	3 35	1 0
19	2 43	1 4	21	2 26	1 2	24	2 12	1 0
20	1 20	1 4	22	1 4	1 2	25	0 50	1 0
20	23 57	1 4	22	23 41	1 2	25	23 27	1 0
21	22 34	1 4	23	22 18	1 2	26	22 4	1 0
22	21 12	1 4	24	20 56	1 2	27	20 42	1 0
23	19 49	1 3	25	19 33	1 1	28	19 19	1 0
24	18 26	1 3	26	18 10	1 1	29	17 56	1 0
25	17 3	1 3	27	16 47	1 1	30	16 34	1 0
26	15 41	1 3	28	15 25	1 1	31	15 11	1 0
27	14 18	1 3	29	14 2	1 1	Nov. 1	13 48	1 0
28	12 55	1 3	30	12 39	1 1	2	12 26	1 0

Verfinsterungen.

MIMAS (Fortsetzung).

Mitte der Verfinsterung		Halbe Dauer	Mitte der Verfinsterung		Halbe Dauer	Mitte der Verfinsterung		Halbe Dauer
	h m	h m		h m	h m		h m	h m
Nov. 3	11 3	1 0	Nov. 13	19 54	0 59	Nov. 24	4 45	0 59
4	9 40	1 0	14	18 31	0 59	25	3 22	0 59
5	8 18	1 0	15	17 9	0 59	26	2 0	0 59
6	6 55	1 0	16	15 46	0 59	27	0 37	0 59
7	5 32	1 0	17	14 23	0 59	27	23 14	0 59
8	4 10	1 0	18	13 1	0 59	28	21 52	0 59
9	2 47	1 0	19	11 38	0 59	29	20 29	0 59
10	1 25	1 0	20	10 15	0 59	30	19 6	0 59
11	0 2	1 0	21	8 53	0 59	Dez. 1	17 44	0 59
11	22 39	1 0	22	7 30	0 59			
12	21 17	1 0	23	6 7	0 59			

ENCELADUS.

Mitte der Verfinsterung		Halbe Dauer	Mitte der Verfinsterung		Halbe Dauer	Mitte der Verfinsterung		Halbe Dauer
	h m	h m		h m	h m		h m	h m
Juli 27	8 6	1 10	Aug. 26	11 35	1 9	Sept. 25	15 6	1 8
28	16 59	1 10	27	20 28	1 9	27	0 0	1 8
30	1 52	1 10	29	5 21	1 9	28	8 53	1 8
31	10 45	1 10	30	14 14	1 9	29	17 46	1 8
Aug 1	19 38	1 10	31	23 8	1 9	Okt. 1	2 40	1 8
3	4 31	1 10	Sept. 2	8 1	1 9	2	11 33	1 8
4	13 25	1 10	3	16 54	1 9	3	20 27	1 8
5	22 18	1 10	5	1 47	1 9	5	5 20	1 7
7	7 11	1 10	6	10 41	1 9	6	14 13	1 7
8	16 4	1 10	7	19 34	1 9	7	23 7	1 7
10	0 57	1 10	9	4 27	1 8	9	8 0	1 7
11	9 50	1 10	10	13 20	1 8	10	16 54	1 7
12	18 43	1 10	11	22 14	1 8	12	1 47	1 7
14	3 36	1 10	13	7 7	1 8	13	10 41	1 7
15	12 29	1 9	14	16 0	1 8	14	19 34	1 7
16	21 23	1 9	16	0 54	1 8	16	4 27	1 7
18	6 16	1 9	17	9 47	1 8	17	13 21	1 7
19	15 9	1 9	18	18 40	1 8	18	22 14	1 7
21	0 2	1 9	20	3 33	1 8	20	7 8	1 7
22	8 55	1 9	21	12 27	1 8	21	16 1	1 7
23	17 48	1 9	22	21 20	1 8	23	0 54	1 7
25	2 42	1 9	24	6 13	1 8	24	9 48	1 7

Verfinsterungen.

ENCELADUS (Fortsetzung).

	Mitte der Verfinsterung	Halbe Dauer		Mitte der Verfinsterung	Halbe Dauer		Mitte der Verfinsterung	Halbe Dauer
	h m	h m		h m	h m		h m	h m
Okt. 25	18 41	1 7	Nov. 8	11 35	1 6	Nov. 22	4 30	1 5
27	3 35	1 6	9	20 29	1 6	23	13 23	1 5
28	12 28	1 6	11	5 22	1 6	24	22 17	1 5
29	21 22	1 6	12	14 16	1 6	26	7 10	1 5
31	6 15	1 6	13	23 9	1 6	27	16 4	1 5
Nov. 1	15 8	1 6	15	8 3	1 6	29	0 57	1 5
3	0 2	1 6	16	16 56	1 5	30	9 51	1 5
4	8 55	1 6	18	1 49	1 5	Dez. 1	18 44	1 5
5	17 49	1 6	19	10 43	1 5			
7	2 42	1 6	20	19 36	1 5			

TETHYS.

	Mitte der Verfinsterung	Halbe Dauer		Mitte der Verfinsterung	Halbe Dauer		Mitte der Verfinsterung	Halbe Dauer
	h m	h m		h m	h m		h m	h m
Juli 27	2 46	1 11	Sept. 8	12 55	1 7	Okt. 21	23 10	1 2
29	0 5	1 11	10	10 14	1 7	23	20 29	1 2
30	21 23	1 11	12	7 33	1 6	25	17 48	1 1
Aug. 1	18 42	1 11	14	4 52	1 6	27	15 7	1 1
3	16 0	1 10	16	2 11	1 6	29	12 26	1 1
5	13 19	1 10	17	23 30	1 6	31	9 45	1 1
7	10 38	1 10	19	20 49	1 6	Nov. 2	7 4	1 0
9	7 56	1 10	21	18 7	1 5	4	4 23	1 0
11	5 15	1 10	23	15 26	1 5	6	1 42	1 0
13	2 34	1 9	25	12 45	1 5	7	23 1	1 0
14	23 52	1 9	27	10 4	1 5	9	20 20	0 59
16	21 11	1 9	29	7 23	1 4	11	17 39	0 59
18	18 30	1 9	Okt. 1	4 42	1 4	13	14 58	0 59
20	15 48	1 9	3	2 1	1 4	15	12 17	0 59
22	13 7	1 8	4	23 20	1 4	17	9 36	0 58
24	10 26	1 8	6	20 38	1 4	19	6 55	0 58
26	7 44	1 8	8	17 57	1 3	21	4 14	0 58
28	5 3	1 8	10	15 16	1 3	23	1 33	0 57
30	2 22	1 8	12	12 35	1 3	24	22 53	0 57
31	23 40	1 8	14	9 54	1 3	26	20 12	0 57
Sept. 2	20 59	1 7	16	7 13	1 2	28	17 31	0 57
4	18 18	1 7	18	4 32	1 2	30	14 50	0 56
6	15 37	1 7	20	1 51	1 2			

Verfinsterungen.

DIONE.

Mitte der Verfinsterung		Halbe Dauer	Mitte der Verfinsterung		Halbe Dauer	Mitte der Verfinsterung		Halbe Dauer
	h m	h m		h m	h m		h m	h m
Juli 29	10 20	1 13	Sept. 11	5 30	1 7	Okt. 25	0 43	0 59
Aug. 1	4 2	1 13	13	23 12	1 6	27	18 25	0 58
3	21 43	1 13	16	16 54	1 6	30	12 7	0 58
6	15 25	1 12	19	10 36	1 5	Nov. 2	5 49	0 57
9	9 7	1 12	22	4 18	1 5	4	23 32	0 56
12	2 49	1 11	24	22 0	1 5	7	17 14	0 56
14	20 31	1 11	27	15 42	1 4	10	10 56	0 55
17	14 13	1 11	30	9 24	1 4	13	4 39	0 54
20	7 54	1 10	Okt. 3	3 6	1 3	15	22 21	0 54
23	1 36	1 10	5	20 48	1 3	18	16 3	0 53
25	19 18	1 9	8	14 30	1 2	21	9 46	0 53
28	13 0	1 9	11	8 12	1 2	24	3 28	0 52
31	6 42	1 9	14	1 54	1 1	26	21 11	0 51
Sept. 3	0 24	1 8	16	19 36	1 0	29	14 53	0 51
5	18 6	1 8	19	13 18	1 0			
8	11 48	1 7	22	7 0	0 59			

RHEA.

Mitte der Verfinsterung		Halbe Dauer	Mitte der Verfinsterung		Halbe Dauer	Mitte der Verfinsterung		Halbe Dauer
	h m	h m		h m	h m		h m	h m
Juli 31	0 18	0 58	Aug. 22	14 34	0 47	Sept. 14	4 51	0 31
Aug. 4	12 45	0 56	27	3 1	0 44	18	17 19	0 26
9	1 12	0 54	31	15 28	0 41	23	5 46	0 20
13	13 39	0 52	Sept. 5	3 56	0 38	27	18 14	0 12
18	2 6	0 49	9	16 23	0 35			

TITAN, HYPERION und JAPETUS werden im Jahre 1908 nicht verfinstert.

		h	
Jan.	2	7	♀ gr. südl. hel. Breite
	2	12	☉ im Perigäum
	3	0	☿ ☌ ☾
	3	—	☉ Finsternis
	4	3	♅ ☌ ☉
	4	18	♆ ☍ ☉
	5	10	♀ ☌ ☾
	7	21	☿ ☌ ♅, ☿ 1° 17′ südl.
	8	2	♄ ☌ ☾
	8	11	♂ ☌ ☾
	14	0	☿ obere ☌ ☉
	19	4	♃ ☌ ☾
	21	9	☿ gr. südl. hel. Breite
	27	2	♂ im ☊
	29	10	♃ ☍ ☉
Febr.	2	19	☿ ☌ ☾
	4	5	♀ ☌ ☾
	4	16	♄ ☌ ☾
	6	6	♂ ☌ ☾
	9	10	☿ im ☊
	10	9	♀ ☌ ♄, ♀ 1° 18′ nördl.
	13	3	☿ gr. östl. Elong. 18° 9′
	14	0	☿ im Perihel
	15	3	♃ ☌ ☾
	24	7	☿ gr. nördl. hel. Breite
	27	14	♀ im ☊
	28	17	☿ untere ☌ ☉
März	1	19	☿ ☌ ☾
	3	8	♄ ☌ ☾
	5	2	♀ ☌ ☾
	6	4	♂ ☌ ☾
	13	5	♃ ☌ ☾, Bedeckung
	18	18	☿ im ☋
	20	13	☉ im ♈, Frühlingsanfang
	20	18	♄ ☌ ☉
	26	23	☿ gr. westl. Elong. 27° 49′
	29	0	☿ im Aphel
	29	15	☿ ☌ ☾
	31	0	♄ ☌ ☾
April	1	1	♀ im Perihel
	1	19	♆ □ ☉
	4	2	♀ ☌ ☾
	4	2	♂ ☌ ☾
April	4	4	♀ ☌ ♂, ♀ 1° 37′ nördl.
	6	14	♅ □ ☉
	9	12	♃ ☌ ☾
	14	10	☿ ☌ ♄, ☿ 0° 28′ südl.
	18	9	☿ gr. südl. hel. Breite
	23	2	♀ gr. nördl. hel. Breite
	24	18	♃ □ ☉
	25	19	♀ ☌ β Tauri, ♀ 1° 59′ südl.
	26	8	♀ gr. östl. Elong. 45° 37′
	27	14	♄ ☌ ☾
	29	9	☿ ☌ ☾
Mai	3	1	♂ ☌ ☾
	3	23	♀ ☌ ☾
	7	0	♃ ☌ ☾
	7	7	☿ obere ☌ ☉
	7	9	☿ im ☊
	11	23	☿ im Perihel
	22	7	☿ gr. nördl. hel. Breite
	25	1	♄ ☌ ☾
	29	16	♀ im gröſsten Glanz
	31	15	☿ ☌ ☾
	31	22	♂ ☌ ☾, Bedeckung
Juni	2	0	♀ ☌ ☾
	3	15	♃ ☌ ☾
	7	5	☿ ☌ ♂, ☿ 0° 19′ nördl.
	7	14	☿ gr. östl. Elong. 23° 58′
	10	17	☿ ☌ ♆, ☿ 1° 37′ nördl.
	12	0	♂ ☌ ♆, ♂ 1° 53′ nördl.
	14	17	☿ im ☋
	17	1	☿ ☌ ♂, ☿ 1° 42′ südl.
	18	3	♀ im ☋
	21	9	☉ im ♋, Sommersanfang
	21	9	♄ ☌ ☾
	22	9	♀ ☌ ♂, ♀ 2° 4′ südl.
	24	23	☿ im Aphel
	28	—	☉ Finsternis
	28	22	☿ ☌ ☾
	29	2	♀ ☌ ☾
	29	18	♂ ☌ ☾
Juli	1	8	♃ ☌ ☾
	1	17	♄ □ ☉
	2	8	☉ im Apogäum
	3	20	♀ ☌ ♆, ♀ 2° 50′ südl.

		h	
Juli	4	11	☿ untere ☌ ☉
	5	16	♀ untere ☌ ☉
	6	17	♆ ☌ ☉
	7	1	♅ ☍ ☉
	15	2	☿ ☌ ♀, ☿ 1° 11′ nördl.
	15	8	☿ gr. südl. hel. Breite
	18	17	♄ ☌ ☾
	22	13	♀ im Aphel
	25	9	♀ ☌ ☾
	25	11	☿ gr. westl. Elong. 19° 50′
	26	0	☿ ☌ ☾
	28	1	☿ ☌ ♆, ☿ 0° 44′ südl.
	28	12	♂ ☌ ☾
	29	2	♃ ☌ ☾
	30	7	♂ gr. nördl. hel. Breite
Aug.	3	8	☿ im ☊
	7	23	☿ im Perihel
	11	7	♀ im gröfsten Glanz
	13	14	♂ ☌ ♃, ♂ 0° 24′ nördl.
	14	0	♀ gr. südl. hel. Breite
	15	1	♄ ☌ ☾
	17	9	♃ ☌ ☉
	18	6	☿ gr. nördl. hel. Breite
	18	19	☿ ☌ ♃, ☿ 1° 2′ nördl.
	20	4	☿ obere ☌ ☉
	20	9	☿ ☌ ♂, ☿ 0° 40′ nördl.
	20	15	☿ ☌ α Leonis, ☿ 1° 23′ nördl.
	21	3	♂ ☌ α Leonis, ♂ 0° 44′ südl.
	21	19	♂ ☌ ☉
	22	11	♀ ☌ ☾
	25	20	♃ ☌ ☾
	26	6	♂ ☌ ☾
	27	0	☿ ☌ ☾
Sept.	3	18	♂ im Aphel
	4	13	♃ ☌ α Leonis, ♃ 0° 22′ nördl.
	10	17	☿ im ☋
	11	9	♄ ☌ ☾
	14	10	♀ gr. westl. Elong. 46° 2′
	20	20	♀ ☌ ☾
	20	22	☿ im Aphel
	22	8	☿ ☌ α Virginis, ☿ 0° 36′ nördl.
	22	13	♃ ☌ ☾
	23	0	☉ in ♎, Herbstanfang
Sept.	24	0	♂ ☌ ☾
	27	3	☿ ☌ ☾
	29	20	♄ ☍ ☉
Okt.	4	12	☿ gr. östl. Elong. 25° 33′
	6	6	♅ □ ☉
	6	17	♀ ☌ α Leonis, ♀ 0° 43′ südl.
	8	16	♄ ☌ ☾
	9	7	♀ im ☊
	10	8	♆ □ ☉
	11	7	☿ gr. südl. hel. Breite
	13	17	♀ ☌ ♃, ♀ 0° 36′ südl.
	20	7	♃ ☌ ☾
	20	21	♀ ☌ ☾
	22	20	♂ ☌ ☾
	25	5	☿ ☌ ☾
	28	5	☿ untere ☌ ☉
	30	7	☿ im ☊
Nov.	3	22	☿ im Perihel
	4	22	♄ ☌ ☾
	12	0	♀ im Perihel
	13	8	☿ gr. westl. Elong. 19° 18′
	14	5	☿ gr. nördl. hel. Breite
	16	23	♃ ☌ ☾
	20	5	♀ ☌ ☾
	20	17	♂ ☌ ☾
	22	0	☿ ☌ ☾
	30	12	♀ ☌ ♂, ♀ 1° 17′ nördl.
Dez.	2	3	♄ ☌ ☾
	3	19	♀ gr. nördl. hel. Breite
	4	14	☿ ☌ β Scorpii, ☿ 0° 40′ südl.
	5	15	♃ □ ☉
	7	16	☿ im ☋
	14	12	♃ ☌ ☾
	17	22	☿ im Aphel
	19	15	♂ ☌ ☾
	20	14	♀ ☌ ☾, Bedeckung
	21	19	☉ im ♑, Wintersanfang
	23	—	☉ Finsternis
	23	0	☿ ☌ ☾
	23	17	☿ obere ☌ ☉
	23	20	♀ ☌ β Scorpii, ♀ 0° 30′ nördl.
	25	9	♄ □ ☉
	29	9	♄ ☌ ☾

Tafel zur Berechnung der physischen Mondlibration.

12^h	M	M'	ω	12^h	M	M'	ω	Bewegung von M			
	°	°	°		°	°	°	d	°	d	°
Jan. 1	318.1	358.9	195.5	Juli 9	280.4	186.1	226.7	1	13.1	6	78.4
11	88.7	8.7	197.1	19	51.1	196.0	228.4	2	26.1	7	91.5
21	219.4	18.6	198.8	29	181.7	205.8	230.0	3	39.2	8	104.5
31	350.0	28.4	200.4	Aug. 8	312.4	215.7	231.6	4	52.3	9	117.6
Febr. 10	120.7	38.3	202.1	18	83.0	225.6	233.3	5	65.3	10	130.6
20	251.3	48.1	203.7	28	213.7	235.4	234.9				
März 1	22.0	58.0	205.3	Sept. 7	344.3	245.3	236.6	h	°	h	°
11	152.6	67.9	207.0	17	115.0	255.1	238.2	1	0.5	13	7.1
21	283.3	77.7	208.6	27	245.6	265.0	239.9	2	1.1	14	7.6
31	53.9	87.6	210.3	Okt. 7	16.3	274.8	241.5	3	1.6	15	8.2
April 10	184.6	97.4	211.9	17	146.9	284.7	243.1	4	2.2	16	8.7
20	315.2	107.3	213.6	27	277.6	294.6	244.8	5	2.7	17	9.3
30	85.9	117.1	215.2	Nov. 6	48.2	304.4	246.4	6	3.3	18	9.8
Mai 10	216.5	127.0	216.8	16	178.9	314.3	248.1	7	3.8	19	10.3
20	347.2	136.9	218.5	26	309.5	324.1	249.7	8	4.4	20	10.9
30	117.8	146.7	220.1	Dez. 6	80.2	334.0	251.4	9	4.9	21	11.4
Juni 9	248.5	156.6	221.8	16	210.8	343.8	253.0	10	5.4	22	12.0
19	19.1	166.4	223.4	26	341.5	353.7	254.6	11	6.0	23	12.5
29	149.8	176.3	225.1	36	112.1	3.5	256.3	12	6.5	24	13.1

M — Mittlere Anomalie des Mondes.

M' — Mittlere Anomalie der Sonne.

ω — Abstand des Mondperigäums vom aufsteigenden Knoten der Mondbahn auf der Ekliptik.

$J = 1^\circ\ 32'\ 6''$ = Mittlere Neigung des Mondäquators gegen die Ekliptik.

$\tau = -0'.16 \sin M + 0'.80 \sin M' + 0'.16 \sin 2\omega$.

$\rho = -1'.85 \cos M + 0'.70 \cos (M + 2\omega) - 0'.18 \cos (2M + 2\omega)$.

$\sigma \sin J = -1'.89 \sin M + 0'.70 \sin (M + 2\omega) - 0'.18 \sin (2M + 2\omega)$.

τ, ρ, σ sind die Beträge der physischen Mondlibration in selenographischer Länge, der Neigung und dem Knoten des Mondäquators auf der Ekliptik.

Tafel zur Berechnung der optischen Mondlibration.

λ-☊	Δλ	$\frac{1}{a}$	B		λ-☊	Δλ	$\frac{1}{a}$	B	
0°	+0.0′	+37	+0° 0.0′	1.6	35°	+0.6′	+ 45	+0° 52.8′	1.3
1	0.0	37	0 1.6	1.6	36	0.6	46	0 54.1	1.3
2	0.0	37	0 3.2	1.6	37	0.6	47	0 55.4	1.3
3	0.1	37	0 4.8	1.6	38	0.6	47	0 56.7	1.3
4	0.1	37	0 6.4	1.6	39	0.6	48	0 58.0	1.2
5	+0.1	+37	+0 8.0	1.6	40	+0.6	+ 49	+0 59.2	1.2
6	0.1	37	0 9.6	1.6	41	0.6	49	1 0.4	1.2
7	0.1	38	0 11.2	1.6	42	0.6	50	1 1.6	1.2
8	0.2	38	0 12.8	1.6	43	0.6	51	1 2.8	1.2
9	0.2	38	0 14.4	1.6	44	0.6	52	1 4.0	1.2
10	+0.2	+38	+0 16.0	1.6	45	+0.6	+ 53	+1 5.2	1.1
11	0.2	38	0 17.6	1.5	46	0.6	54	1 6.3	1.1
12	0.2	38	0 19.1	1.6	47	0.6	55	1 7.4	1.1
13	0.3	38	0 20.7	1.6	48	0.6	56	1 8.5	1.1
14	0.3	38	0 22.3	1.6	49	0.6	57	1 9.6	1.0
15	+0.3	+39	+0 23.9	1.5	50	+0.6	+ 58	+1 10.6	1.1
16	0.3	39	0 25.4	1.6	51	0.6	59	1 11.7	1.0
17	0.3	39	0 27.0	1.5	52	0.6	60	1 12.7	1.0
18	0.4	39	0 28.5	1.6	53	0.6	61	1 13.7	0.9
19	0.4	39	0 30.1	1.5	54	0.6	63	1 14.6	0.9
20	+0.4	+40	+0 31.6	1.5	55	+0.6	+ 65	+1 15.5	0.9
21	0.4	40	0 33.1	1.5	56	0.6	67	1 16.4	0.9
22	0.4	40	0 34.6	1.5	57	0.6	69	1 17.3	0.8
23	0.4	41	0 36.1	1.4	58	0.6	71	1 18.1	0.9
24	0.5	41	0 37.5	1.5	59	0.5	73	1 19.0	0.8
25	+0.5	+41	+0 39.0	1.4	60	+0.5	+ 75	+1 19.8	0.8
26	0.5	41	0 40.4	1.5	61	0.5	77	1 20.6	0.7
27	0.5	42	0 41.9	1.4	62	0.5	79	1 21.3	0.8
28	0.5	42	0 43.3	1.4	63	0.5	82	1 22.1	0.7
29	0.5	43	0 44.7	1.4	64	0.5	85	1 22.8	0.7
30	+0.5	+43	+0 46.1	1.4	65	+0.5	+ 88	+1 23.5	0.6
31	0.5	43	0 47.5	1.3	66	0.5	92	1 24.1	0.7
32	0.6	44	0 48.8	1.3	67	0.4	96	1 24.8	0.6
33	0.6	44	0 50.1	1.3	68	0.4	100	1 25.4	0.6
34	0.6	45	0 51.4	1.4	69	0.4	104	1 26.0	0.5
35	+0.6	+45	+0 52.8		70	+0.4	+109	+1 26.5	

Tafel zur Berechnung der optischen Mondlibration.

λ − ☋	Δλ	$\frac{1}{a}$	B	Diff.	λ − ☋	Δλ	$\frac{1}{a}$	B	Diff.
70°	+0.4′	+109	+1° 26.5′	0.6	80°	+0.2′	+ 215	+1° 30.7′	0.2
71	0.4	115	1 27.1	0.5	81	0.2	239	1 30.9	0.2
72	0.4	121	1 27.6	0.5	82	0.2	268	1 31.1	0.2
73	0.3	128	1 28.1	0.5	83	0.1	306	1 31.3	0.2
74	0.3	136	1 28.6	0.4	84	0.1	357	1 31.5	0.2
75	+0.3	+144	+1 29.0	0.4	85	+0.1	+ 429	+1 31.7	0.1
76	0.3	154	1 29.4	0.4	86	0.1	535	1 31.8	0.1
77	0.3	166	1 29.8	0.3	87	0.1	713	1 31.9	0.1
78	0.2	180	1 30.1	0.3	88	0.0	1070	1 32.0	0.1
79	0.2	196	1 30.4	0.3	89	0.0	+2139	1 32.1	0.0
80	+0.2	+215	+1 30.7		90	0.0	∞	+1 32.1	

$J = 1°\,32'\,6''$ = Neigung des Mondäquators gegen die Ekliptik.

☋ = 180° + ☊ = Länge des absteigenden Knotens der Mondbahn auf der Ekliptik (siehe Tafel S. 88).

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort.

$$\Delta\lambda = \mathrm{tg}\,\frac{J^2}{2}\,\sin 2\,(\lambda - \text{☋})\;3437'{\cdot}75 \qquad \frac{1}{a} = \frac{1}{\cos(\lambda - \text{☋})\sin J}$$

$$\mathrm{tg}\,B = \sin(\lambda - \text{☋})\,\mathrm{tg}\,J$$

l_0 = Mittlere Länge des Mondes (siehe Tafel S. 88)

l', b' = Optische Libration der Mondmitte in selenographischer Länge und Breite

$$l' = \lambda + \Delta\lambda - \frac{B - \beta}{\frac{1}{a}} - l_0$$

$$b' = B - \beta.$$

Für λ − ☋ zwischen 90° und 180° gehe man mit dem Argument 180° − (λ − ☋) in die Tafel ein und nehme Δλ und $\frac{1}{a}$ negativ.

Für λ − ☋ zwischen 180° und 270° gehe man mit dem Argument λ − ☋ − 180° in die Tafel ein und nehme $\frac{1}{a}$ und B negativ.

Für λ − ☋ zwischen 270° und 360° gehe man mit dem Argument 360° − (λ − ☋) in die Tafel ein und nehme Δλ und B negativ.

Bruchteile des Jahres 1908,

für 0^h Mittl. Zeit der mittleren Sonnentage, gezählt vom Beginn des annus fictus.

Monatstag	Januar Jahrestag	Januar Jahresbruch	Februar Jahrestag	Februar Jahresbruch	März Jahrestag	März Jahresbruch	April Jahrestag	April Jahresbruch	Mai Jahrestag	Mai Jahresbruch	Juni Jahrestag	Juni Jahresbruch
1	0	—0.0008	31	0.0841	60	0.1635	91	0.2484	121	0.3305	152	0.4154
2	1	+0.0019	32	0868	61	1662	92	2511	122	3332	153	4181
3	2	0047	33	0896	62	1690	93	2538	123	3360	154	4208
4	3	0074	34	0923	63	1717	94	2566	124	3387	155	4236
5	4	0102	35	0950	64	1744	95	2593	125	3414	156	4263
6	5	0.0129	36	0.0978	65	0.1772	96	0.2620	126	0.3442	157	0.4291
7	6	0156	37	1005	66	1799	97	2648	127	3469	158	4318
8	7	0184	38	1032	67	1826	98	2675	128	3497	159	4345
9	8	0211	39	1060	68	1854	99	2703	129	3524	160	4373
10	9	0238	40	1087	69	1881	100	2730	130	3551	161	4400
11	10	0.0266	41	0.1115	70	0.1909	101	0.2757	131	0.3579	162	0.4428
12	11	0293	42	1142	71	1936	102	2785	132	3606	163	4455
13	12	0321	43	1169	72	1963	103	2812	133	3634	164	4482
14	13	0348	44	1197	73	1991	104	2840	134	3661	165	4510
15	14	0375	45	1224	74	2018	105	2867	135	3688	166	4537
16	15	0.0403	46	0.1252	75	0.2046	106	0.2894	136	0.3716	167	0.4564
17	16	0430	47	1279	76	2073	107	2922	137	3743	168	4592
18	17	0457	48	1307	77	2100	108	2949	138	3770	169	4619
19	18	0485	49	1334	78	2128	109	2976	139	3798	170	4647
20	19	0512	50	1361	79	2155	110	3004	140	3825	171	4674
21	20	0.0540	51	0.1388	80	0.2182	111	0.3031	141	0.3853	172	0.4701
22	21	0567	52	1416	81	2210	112	3059	142	3880	173	4729
23	22	0594	53	1443	82	2237	113	3086	143	3907	174	4756
24	23	0622	54	1471	83	2265	114	3113	144	3935	175	4783
25	24	0649	55	1498	84	2292	115	3141	145	3962	176	4811
26	25	0.0677	56	0.1525	85	0.2319	116	0.3168	146	0.3989	177	0.4838
27	26	0704	57	1553	86	2347	117	3195	147	4017	178	4866
28	27	0731	58	1580	87	2374	118	3223	148	4044	179	4893
29	28	0759	59	1607	88	2401	119	3250	149	4072	180	4920
30	29	0786	60	1635	89	2429	120	3278	150	4099	181	4948
31	30	0.0813			90	0.2456	121	0.3305	151	0.4126	182	0.4975
32	31	0841			91	2484			152	4154		

Bruchteile des Jahres 1908,

für 0ʰ Mittl. Zeit der mittleren Sonnentage, gezählt vom Beginn des annus fictus.

Monatstag	Juli		August		September		Oktober		November		Dezember	
	Jahres-tag	Jahres-bruch	Jahres-tag	Jahres-bruch	Jahres-tag	Jahres-bruch	Jahres-tag	Jahres-bruch	Jahres-tag	Jahres-bruch	Jahres-tag	Jahres-bruch
1	182	0.4975	213	0.5824	244	0.6673	274	0.7494	305	0.8343	335	0.9164
2	183	5002	214	5851	245	6700	275	7521	306	8370	336	9191
3	184	5030	215	5879	246	6727	276	7549	307	8397	337	9219
4	185	5057	216	5906	247	6755	277	7576	308	8425	338	9246
5	186	5085	217	5933	248	6782	278	7604	309	8452	339	9274
6	187	0.5112	218	0.5961	249	0.6809	279	0.7631	310	0.8480	340	0.9301
7	188	5139	219	5988	250	6837	280	7658	311	8507	341	9328
8	189	5167	220	6015	251	6864	281	7686	312	8534	342	9356
9	190	5194	221	6043	252	6892	282	7713	313	8562	343	9383
10	191	5222	222	6070	253	6919	283	7740	314	8589	344	9411
11	192	0.5249	223	0.6098	254	0.6946	284	0.7768	315	0.8617	345	0.9438
12	193	5276	224	6125	255	6974	285	7795	316	8644	346	9465
13	194	5304	225	6152	256	7001	286	7823	317	8671	347	9493
14	195	5331	226	6180	257	7029	287	7850	318	8699	348	9520
15	196	5358	227	6207	258	7056	288	7877	319	8726	349	9547
16	197	0.5386	228	0.6235	259	0.7083	289	0.7905	320	0.8753	350	0.9575
17	198	5413	229	6262	260	7111	290	7932	321	8781	351	9602
18	199	5441	230	6289	261	7138	291	7959	322	8808	352	9630
19	200	5468	231	6317	262	7165	292	7987	323	8836	353	9657
20	201	5495	232	6344	263	7193	293	8014	324	8863	354	9684
21	202	0.5523	233	0.6371	264	0.7220	294	0.8042	325	0.8890	355	0.9712
22	203	5550	234	6399	265	7248	295	8069	326	8918	356	9739
23	204	5577	235	6426	266	7275	296	8096	327	8945	357	9766
24	205	5605	236	6454	267	7302	297	8124	328	8972	358	9794
25	206	5632	237	6481	268	7330	298	8151	329	9000	359	9821
26	207	0.5660	238	0.6508	269	0.7357	299	0.8178	330	0.9027	360	0.9849
27	208	5687	239	6536	270	7385	300	8206	331	9055	361	9876
28	209	5714	240	6563	271	7412	301	8233	332	9082	362	9903
29	210	5742	241	6590	272	7439	302	8261	333	9109	363	9931
30	211	5769	242	6618	273	7467	303	8288	334	9137	364	9958
31	212	0.5797	243	0.6645	274	0.7494	304	0.8315	335	0.9164	365	0.9985
32	213	5824	244	6673			305	8343			366	1.0013

Julianische Periode.

Anzahl der am Mittag des 1. Januar eines jeden Schaltjahrs seit Anfang der Periode verflossenen Tage.

Jahr n. Chr.	0	100	200	300	400	500	600	700	800	900
	17	17	17	18	18	19	19	19	20	20
0	21058	57583	94108	30633	67158	03683	40208	76733	13258	49783
4	22519	59044	95569	32094	68619	05144	41669	78194	14719	51244
8	23980	60505	97030	33555	70080	06605	43130	79655	16180	52705
12	25441	61966	98491	35016	71541	08066	44591	81116	17641	54166
16	26902	63427	99952	36477	73002	09527	46052	82577	19102	55627
20	28363	64888	01413	37938	74463	10988	47513	84038	20563	57088
24	29824	66349	02874	39399	75924	12449	48974	85499	22024	58549
28	31285	67810	04335	40860	77385	13910	50435	86960	23485	60010
32	32746	69271	05796	42321	78846	15371	51896	88421	24946	61471
36	34207	70732	07257	43782	80307	16832	53357	89882	26407	62932
40	35668	72193	08718	45243	81768	18293	54818	91343	27868	64393
44	37129	73654	10179	46704	83229	19754	56279	92804	29329	65854
48	38590	75115	11640	48165	84690	21215	57740	94265	30790	67315
52	40051	76576	13101	49626	86151	22676	59201	95726	32251	68776
56	41512	78037	14562	51087	87612	24137	60662	97187	33712	70237
60	42973	79498	16023	52548	89073	25598	62123	98648	35173	71698
64	44434	80959	17484	54009	90534	27059	63584	00109	36634	73159
68	45895	82420	18945	55470	91995	28520	65045	01570	38095	74620
72	47356	83881	20406	56931	93456	29981	66506	03031	39556	76081
76	48817	85342	21867	58392	94917	31442	67967	04492	41017	77542
80	50278	86803	23328	59853	96378	32903	69428	05953	42478	79003
84	51739	88264	24789	61314	97839	34364	70889	07414	43939	80464
88	53200	89725	26250	62775	99300	35825	72350	08875	45400	81925
92	54661	91186	27711	64236	00761	37286	73811	10336	46861	83386
96	56122	92647	29172	65697	02222	38747	75272	11797	48322	84847
100	57583	94108	30633	67158	03683	40208	76733	13258	49783	86308
	17	17	18	18	19	19	19	20	20	20

Jahr n. Chr.	Tage
0	1721058
1	1721424
2	1721789
3	1722154
4	1722519

Jahr n. Chr.	Tage
1580	2298153
1581	2298519
1582	2298884
1583	2299239
1584	2299604

Julianische Periode.

Anzahl der am Mittag des 1. Januar eines jeden Schaltjahrs seit Anfang der Periode verflossenen Tage.

Jahr n. Chr.	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
	20	21	21	21	22	22	23	23	23	24
0	86308	22833	59358	95883	32408	68933	05448	41973*	78497*	15021*
4	87769	24294	60819	97344	33869	70394	06909	43433	79957	16481
8	89230	25755	62280	98805	35330	71855	08370	44894	81418	17942
12	90691	27216	63741	00266	36791	73316	09831	46355	82879	19403
16	92152	28677	65202	01727	38252	74777	11292	47816	84340	20864
20	93613	30138	66663	03188	39713	76238	12753	49277	85801	22325
24	95074	31599	68124	04649	41174	77699	14214	50738	87262	23786
28	96535	33060	69585	06110	42635	79160	15675	52199	88723	25247
32	97996	34521	71046	07571	44096	80621	17136	53660	90184	26708
36	99457	35982	72507	09032	45557	82082	18597	55121	91645	28169
40	00918	37443	73968	10493	47018	83543	20058	56582	93106	29630
44	02379	38904	75429	11954	48479	85004	21519	58043	94567	31091
48	03840	40365	76890	13415	49940	86465	22980	59504	96028	32552
52	05301	41826	78351	14876	51401	87926	24441	60965	97489	34013
56	06762	43287	79812	16337	52862	89387	25902	62426	98950	35474
60	08223	44748	81273	17798	54323	90848	27363	63887	00411	36935
64	09684	46209	82734	19259	55784	92309	28824	65348	01872	38396
68	11145	47670	84195	20720	57245	93770	30285	66809	03333	39857
72	12606	49131	85656	22181	58706	95231	31746	68270	04794	41318
76	14067	50592	87117	23642	60167	96692	33207	69731	06255	42779
80	15528	52053	88578	25103	61628	98153	34668	71192	07716	44240
84	16989	53514	90039	26564	63089	99604	36129	72653	09177	45701
88	18450	54975	91500	28025	64550	01065	37590	74114	10638	47162
92	19911	56436	92961	29486	66011	02526	39051	75575	12099	48623
96	21372	57897	94422	30947	67472	03987	40512	77036	13560	50084
100	22833	59358	95883	32408	68933	05448	41973*	78497*	15021*	51545
	21	21	21	22	22	23	23	23	24	24

Anm. Die mit * bezeichneten Jahre sind Gemeinjahre.

Jahr n. Chr.	Tage	Jahr n. Chr.	Tage	Jahr n. Chr.	Tage
1700	2341973	1800	2378497	1900	2415021
1701	2342338	1801	2378862	1901	2415386
1702	2342703	1802	2379227	1902	2415751
1703	2343068	1803	2379592	1903	2416116
1704	2343433	1804	2379957	1904	2416481

Zur Verwandlung der Mittl. Zeit in Sternzeit.

Tafel I.

Red. auf St.-Zt.	Mittl. Zt.
m s	h m s
+ 0 0	0 0 0
0 10	1 0 52
0 20	2 1 45
0 30	3 2 37
0 40	4 3 30
0 50	5 4 22
+ 1 0	6 5 15
1 10	7 6 7
1 20	8 6 59
1 30	9 7 52
1 40	10 8 44
1 50	11 9 37
+ 2 0	12 10 29
2 10	13 11 21
2 20	14 12 14
2 30	15 13 6
2 40	16 13 59
2 50	17 14 51
+ 3 0	18 15 44
3 10	19 16 36
3 20	20 17 28
3 30	21 18 21
3 40	22 19 13
3 50	23 20 6
4 0	24 20 58

Tafel II.

Red. auf St.-Zt.	Mittl. Zt.	Red. auf St.-Zt.	Mittl. Zt.	Red. auf St.-Zt.	Mittl. Zt.
s	m s	s	m s	s	m s
+ 0.0	0 0	+ 4.0	24 21	+ 8.0	48 42
0.1	0 37	4.1	24 58	8.1	49 19
0.2	1 13	4.2	25 34	8.2	49 55
0.3	1 50	4.3	26 11	8.3	50 32
0.4	2 26	4.4	26 47	8.4	51 8
0.5	3 3	4.5	27 24	8.5	51 45
0.6	3 39	4.6	28 0	8.6	52 21
0.7	4 16	4.7	28 37	8.7	52 58
0.8	4 52	4.8	29 13	8.8	53 34
0.9	5 29	4.9	29 50	8.9	54 11
+ 1.0	6 5	+ 5.0	30 26	+ 9.0	54 47
1.1	6 42	5.1	31 3	9.1	55 24
1.2	7 18	5.2	31 39	9.2	56 0
1.3	7 55	5.3	32 16	9.3	56 37
1.4	8 31	5.4	32 52	9.4	57 13
1.5	9 8	5.5	33 29	9.5	57 50
1.6	9 44	5.6	34 5	9.6	58 26
1.7	10 21	5.7	34 42	9.7	59 3
1.8	10 57	5.8	35 18	9.8	59 39
1.9	11 34	5.9	35 55	9.9	60 16
+ 2.0	12 10	+ 6.0	36 31		
2.1	12 47	6.1	37 8		
2.2	13 23	6.2	37 44		
2.3	14 0	6.3	38 21		
2.4	14 36	6.4	38 57		
2.5	15 13	6.5	39 34		
2.6	15 49	6.6	40 10		
2.7	16 26	6.7	40 47		
2.8	17 2	6.8	41 23		
2.9	17 39	6.9	42 0		
+ 3.0	18 16	+ 7.0	42 37		
3.1	18 53	7.1	43 14		
3.2	19 29	7.2	43 50		
3.3	20 6	7.3	44 27		
3.4	20 42	7.4	45 3		
3.5	21 19	7.5	45 40		
3.6	21 55	7.6	46 16		
3.7	22 32	7.7	46 53		
3.8	23 8	7.8	47 29		
3.9	23 45	7.9	48 6		

Tafel III.

Red. auf St.-Zt.	Mittl. Zt.
s	m s
+ 0.01	0 4
0.02	0 7
0.03	0 11
0.04	0 15
0.05	0 18
0.06	0 22
0.07	0 26
0.08	0 29
0.09	0 33
0.10	0 37

Zur Verwandlung der Sternzeit in Mittl. Zeit.

Tafel I.

Red. auf Mittl. Zt. (m s)	Stern-Zt. (h m s)
— 0 0	0 0 0
0 10	1 1 2
0 20	2 2 5
0 30	3 3 7
0 40	4 4 10
0 50	5 5 12
— 1 0	6 6 15
1 10	7 7 17
1 20	8 8 19
1 30	9 9 22
1 40	10 10 24
1 50	11 11 27
— 2 0	12 12 29
2 10	13 13 31
2 20	14 14 34
2 30	15 15 36
2 40	16 16 39
2 50	17 17 41
— 3 0	18 18 44
3 10	19 19 46
3 20	20 20 48
3 30	21 21 51
3 40	22 22 53
3 50	23 23 56
4 0	24 24 58

Tafel II.

Red. auf Mittl. Zt. (s)	Stern-Zt. (m s)	Red. auf Mittl. Zt. (s)	Stern-Zt. (m s)	Red. auf Mittl. Zt. (s)	Stern-Zt. (m s)
— 0.0	0 0	— 4.0	24 25	— 8.0	48 50
0.1	0 37	4.1	25 2	8.1	49 27
0.2	1 13	4.2	25 38	8.2	50 3
0.3	1 50	4.3	26 15	8.3	50 40
0.4	2 26	4.4	26 51	8.4	51 16
0.5	3 3	4.5	27 28	8.5	51 53
0.6	3 40	4.6	28 5	8.6	52 30
0.7	4 16	4.7	28 41	8.7	53 6
0.8	4 53	4.8	29 18	8.8	53 43
0.9	5 30	4.9	29 55	8.9	54 20
— 1.0	6 6	— 5.0	30 31	— 9.0	54 56
1.1	6 43	5.1	31 8	9.1	55 33
1.2	7 19	5.2	31 44	9.2	56 9
1.3	7 56	5.3	32 21	9.3	56 46
1.4	8 32	5.4	32 57	9.4	57 22
1.5	9 9	5.5	33 34	9.5	57 59
1.6	9 46	5.6	34 11	9.6	58 36
1.7	10 22	5.7	34 47	9.7	59 12
1.8	10 59	5.8	35 24	9.8	59 49
1.9	11 36	5.9	36 1	9.9	60 26
— 2.0	12 12	— 6.0	36 37		
2.1	12 49	6.1	37 14		
2.2	13 25	6.2	37 50		
2.3	14 2	6.3	38 27		
2.4	14 38	6.4	39 3		
2.5	15 15	6.5	39 40		
2.6	15 52	6.6	40 17		
2.7	16 28	6.7	40 53		
2.8	17 5	6.8	41 30		
2.9	17 42	6.9	42 7		
— 3.0	18 19	— 7.0	42 44		
3.1	18 56	7.1	43 21		
3.2	19 32	7.2	43 57		
3.3	20 9	7.3	44 34		
3.4	20 45	7.4	45 10		
3.5	21 22	7.5	45 47		
3.6	21 59	7.6	46 24		
3.7	22 35	7.7	47 0		
3.8	23 12	7.8	47 37		
3.9	23 49	7.9	48 14		

Tafel III.

s	m s
— 0.01	0 4
0.02	0 7
0.03	0 11
0.04	0 15
0.05	0 18
0.06	0 22
0.07	0 26
0.08	0 29
0.09	0 33
0.10	0 37

Zur Verwandlung von Stunden, Minuten und Sekunden in Dezimalteile des Tages und umgekehrt.

Tag	h m s	Tag	h m s	Tag	h m s
0.01	0 14 24	0.36	8 38 24	0.71	17 2 24
0.02	0 28 48	0.37	8 52 48	0.72	17 16 48
0.03	0 43 12	0.38	9 7 12	0.73	17 31 12
0.04	0 57 36	0.39	9 21 36	0.74	17 45 36
0.05	1 12 0	0.40	9 36 0	0.75	18 0 0
0.06	1 26 24	0.41	9 50 24	0.76	18 14 24
0.07	1 40 48	0.42	10 4 48	0.77	18 28 48
0.08	1 55 12	0.43	10 19 12	0.78	18 43 12
0.09	2 9 36	0.44	10 33 36	0.79	18 57 36
0.10	2 24 0	0.45	10 48 0	0.80	19 12 0
0.11	2 38 24	0.46	11 2 24	0.81	19 26 24
0.12	2 52 48	0.47	11 16 48	0.82	19 40 48
0.13	3 7 12	0.48	11 31 12	0.83	19 55 12
0.14	3 21 36	0.49	11 45 36	0.84	20 9 36
0.15	3 36 0	0.50	12 0 0	0.85	20 24 0
0.16	3 50 24	0.51	12 14 24	0.86	20 38 24
0.17	4 4 48	0.52	12 28 48	0.87	20 52 48
0.18	4 19 12	0.53	12 43 12	0.88	21 7 12
0.19	4 33 36	0.54	12 57 36	0.89	21 21 36
0.20	4 48 0	0.55	13 12 0	0.90	21 36 0
0.21	5 2 24	0.56	13 26 24	0.91	21 50 24
0.22	5 16 48	0.57	13 40 48	0.92	22 4 48
0.23	5 31 12	0.58	13 55 12	0.93	22 19 12
0.24	5 45 36	0.59	14 9 36	0.94	22 33 36
0.25	6 0 0	0.60	14 24 0	0.95	22 48 0
0.26	6 14 24	0.61	14 38 24	0.96	23 2 24
0.27	6 28 48	0.62	14 52 48	0.97	23 16 48
0.28	6 43 12	0.63	15 7 12	0.98	23 31 12
0.29	6 57 36	0.64	15 21 36	0.99	23 45 36
0.30	7 12 0	0.65	15 36 0	1.00	24 0 0
0.31	7 26 24	0.66	15 50 24		
0.32	7 40 48	0.67	16 4 48		
0.33	7 55 12	0.68	16 19 12		
0.34	8 9 36	0.69	16 33 36		
0.35	8 24 0	0.70	16 48 0		

Zur Verwandlung von Stunden, Minuten und Sekunden in Dezimalteile des Tages und umgekehrt.

Tag	m s	Tag	m s	Tag	m s	Tag	s
0.0001	0 8.64	0.0036	5 11.04	0.0071	10 13.44	0.00001	0.864
02	0 17.28	37	5 19.68	72	10 22.08	2	1.728
03	0 25.92	38	5 28.32	73	10 30.72	3	2.592
04	0 34.56	39	5 36.96	74	10 39.36	4	3.456
05	0 43.20	40	5 45.60	75	10 48.00	5	4.320
06	0 51.84	41	5 54.24	76	10 56.64	6	5.184
07	1 0.48	42	6 2.88	77	11 5.28	7	6.048
08	1 9.12	43	6 11.52	78	11 13.92	8	6.912
09	1 17.76	44	6 20.16	79	11 22.56	9	7.776
10	1 26.40	45	6 28.80	80	11 31.20	10	8.640
11	1 35.04	46	6 37.44	81	11 39.84		
12	1 43.68	47	6 46.08	82	11 48.48		
13	1 52.32	48	6 54.72	83	11 57.12		
14	2 0.96	49	7 3.36	84	12 5.76		
15	2 9.60	50	7 12.00	85	12 14.40		
16	2 18.24	51	7 20.64	86	12 23.04	0.000001	0.086
17	2 26.88	52	7 29.28	87	12 31.68	2	0.173
18	2 35.52	53	7 37.92	88	12 40.32	3	0.259
19	2 44.16	54	7 46.56	89	12 48.96	4	0.346
20	2 52.80	55	7 55.20	90	12 57.60	5	0.432
21	3 1.44	56	8 3.84	91	13 6.24	6	0.518
22	3 10.08	57	8 12.48	92	13 14.88	7	0.605
23	3 18.72	58	8 21.12	93	13 23.52	8	0.691
24	3 27.36	59	8 29.76	94	13 32.16	9	0.778
25	3 36.00	60	8 38.40	95	13 40.80	10	0.864
26	3 44.64	61	8 47.04	96	13 49.44		
27	3 53.28	62	8 55.68	97	13 58.08		
28	4 1.92	63	9 4.32	98	14 6.72		
29	4 10.56	64	9 12.96	99	14 15.36		
30	4 19.20	65	9 21.60	100	14 24.00		
31	4 27.84	66	9 30.24				
32	4 36.48	67	9 38.88				
33	4 45.12	68	9 47.52				
34	4 53.76	69	9 56.16				
35	5 2.40	70	10 4.80				

Hülfsgröſsen

zur Berechnung der Präzession nach Newcomb

von den Katalogepochen t_0 bis 1908.0.

$t = 1908.0.$

t_0	$m^s(t-t_0)$	$\log[n^s(t-t_0)]$	$\log[n''(t-t_0)]$
1790	$+6^m\ 2^s.423$	2.197931	3.374022
1800	5 31.719	2.159464	3.335555
1810	5 1.014	2.117256	3.293347
1825	4 14.952	2.045094	3.221185
1830	3 59.597	2.018107	3.194198
1835	+3 44.242	1.989331	3.165422
1836	3 41.171	1.983339	3.159430
1840	3 28.883	1.958512	3.134603
1842	3 22.744	1.945545	3.121636
1845	3 13.530	1.925339	3.101430
1850	+2 58.173	1.889422	3.065513
1855	2 42.815	1.850265	3.026356
1860	2 27.458	1.807225	2.98332
1864	2 15.172	1.76943	2.94553
1865	2 12.099	1.75945	2.93554
1870	+1 56.741	1.70576	2.88185
1872	1 50.597	1.68228	2.85837
1875	1 41.382	1.64448	2.82058
1880	1 26.022	1.57312	2.74922
1885	1 10.662	1.48769	2.66378
1890	+0 55.302	1.38123	2.55732
1895	0 39.941	1.23990	2.41599
1900	+0 24.579	1.02904	2.20513
1910	−0 6.145	0.42697_n	1.60306_n

m und n sind die Newcombschen Konstanten für die Epoche

$$\frac{1}{2}(t+t_0).$$

Ist α', δ' der genäherte Sternort für die Zeit $\frac{1}{2}(t+t_0)$,

so ist
$$\alpha = \alpha_0 + [m^s(t-t_0)] + [n^s(t-t_0)] \sin\alpha' \operatorname{tg}\delta'$$
$$\delta = \delta_0 + [n''(t-t_0)] \cos\alpha'.$$

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Åbo	—	+60 26 56.8	−0 35 31.50	— 5.84	+60 17 3.1	9.998902
Adelaide	43	−34 55 33.8	−8 20 45.62	−82.26	−34 44 46.2	9.999530
Albany (N. Stw.)[1]	40	+42 39 12.6	+5 48 41.16	+57.28	+42 27 44.5	9.999339
Alfred Centre N.Y.	556	+42 15 19.8	+6 4 41.93	+59.91	+42 3 52.5	9.999384
Algier (N. Stw.)[2]	342	+36 47 50	+0 41 26.42	+ 6.81	+36 36 48	9.999505
Allegheny	349	+40 27 41.6	+6 13 37.77	+61.38	+40 16 20.0	9.999415
Altenburg[3]	229	+50 58 20	+0 3 50.64	+ 0.63	+50 47 4	9.999141
Altona Mer.-Kreis[4]	31	+53 32 45.3	+0 13 48.61	+ 2.27	+53 21 44.5	9.999065
Amherst	122	+42 22 17.1	+5 43 39.51	+56.46	+42 10 49.6	9.999351
Annapolis	—	+38 58 53.5	+5 59 31.33	+59.06	+38 47 38.5	9.999428
Ann Arbor	285	+42 16 48.0	+6 28 30.03	+63.82	+42 5 20.7	9.999364
Arcetri Zentr. d. St.[5]	186	+43 45 14.4	+0 8 33.50	+ 1.41	+43 33 44.5	9.999321
Arequipa	2451	−16 22 28.0	+5 39 46.53	+55.82	−16 16 15.4	0.000053
Armagh	61	+54 21 12.7	+1 20 10.2	+13.17	+54 10 17.8	9.999047
Athen	—	+37 58 20.7	−0 41 18.12	— 6.78	+37 47 11.3	9.999453
Bamberg (Remeis' St.)	299	+49 53 6.0	+0 10 1.23	+ 1.65	+49 41 45.0	9.999174
Barcelona[6]	—	+41 24 2	+0 44 59.7	+ 7.39	+41 12 37	9.999368
Beloit	—	+42 30 9	+6 49 42.2	+67.31	+42 18 41	9.999340
Bergen	—	+60 23 54	+0 32 22.07	+ 5.32	+60 14 0	9.998903
Berkeley	—	+37 52 23.6	+9 2 37.56	+89.14	+37 41 14.7	9.999455
Berlin Zentr. d. St.[7]	47	+52 30 16.7	0 0 0.00	0.00	+52 19 9.0	9.999091
Berlin (Urania)	—	+52 31 30.7	+0 0 7.40	+ 0.02	+52 20 23.2	9.999088
Bern	573	+46 57 8.7	+0 23 49.25	+ 3.91	+46 45 39.5	9.999266
Besançon	312	+47 14 59.0	+0 29 37.7	+ 4.87	+47 3 30.3	9.999241
Bethlehem[8]	—	+40 36 23.5	+5 55 6.74	+58.34	+40 25 1.3	9.999388
Birr Castle[9]	—	+53 5 47	+1 25 15.7	+14.00	+52 54 43	9.999073
Bogota	2700	+ 4 35 48	+5 50 34	+57.59	+ 4 33 58	0.000175
Bologna Zentr. d. Stw.	—	+44 29 52.8	+0 8 10.32	+ 1.34	+44 18 16	9.999289
Bombay	—	+18 54 0	−3 57 40.90	−39.05	+18 46 58	9.999849
Bonn Zentr. d. Stw.	62	+50 43 45.0	+0 25 11.62	+ 4.14	+50 32 27.7	9.999136
Bordeaux	73	+44 50 7.2	+0 55 40.30	+ 9.14	+44 38 36.6	9.999286
Boston (University)	—	+42 21 32.5	+5 37 49.8	+55.50	+42 10 5.0	9.999344
Bothkamp[10]	32	+54 12 9.6	+0 13 3.6	+ 2.15	+54 1 13.6	9.999048
Bremen (Olbers' Stw.)	—	+53 4 36	+0 18 20	+ 3.01	+52 53 32	9.999074
Breslau Zentr. d. Stw.	147	+51 6 56.5	−0 14 33.92	— 2.39	+50 55 41.1	9.999132
Brisbane	—	−27 28 0	−9 18 31.6	−91.75	−27 18 36	9.999693

[1]) Dudley Observatory, seit Juni 1893. Alte Sternwarte 37″.0 nördlich, 7s.10 östlich.
[2]) Alte Sternwarte 3′.8 südlich, 8s östlich.
[3]) Fr. Krüger.
[4]) 1873 nach Kiel verlegt.
[5]) Seit Oktober 1872, früher in Florenz.
[6]) J. Comas Solá.
[7]) Seit 1835. Alte Sternwarte 56″.4 nördlich, 0s.39 westlich.
[8]) Sayre Observatory, auch South-Bethlehem.
[9]) Earl of Rosse.
[10]) Herr von Bülow.

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Brüssel (Alte St.) Pass.Instr.	56	+50 51 10.7	+0 36 6.09	+ 5.93	+50 39 54.0	9.999133
Brüssel (Uccle)	102	+50 47 53	+0 36 8.1	+ 5.94	+50 36 36	9.999137
Budapest[1])	—	+47 29 34.7	—0 22 40.5	— 3.73	+47 18 6.5	9.999213
Bukarest (Mil. Geogr. Inst.)	—	+44 24 34.2	—0 50 52.21	— 8.36	+44 13 3.7	9.999292
Cambridge Engl. . .	28	+52 12 51.6	+0 53 12.05	+ 8.74	+52 1 42.2	9.999097
Cambridge Mass.[2]) .	24	+42 22 47.6	+5 38 5.82	+55.54	+42 11 20.1	9.999345
Cap d. gut. Hoffnung	16	—33 56 3.2	—0 20 19.94	— 3.34	—33 45 24.3	9.999551
Catania	60	+37 30 13.3	—0 6 45.8	— 1.11	+37 19 6.7	9.999468
Chapultepec (Alte Stw.)[3])	—	+19 25 17.5	+7 30 13.08	+73.96	+19 18 5.5	9.999841
Charkow	—	+50 0 10.2	—1 31 19.8	—15.01	+49 48 49.7	9.999150
Charlottesville[4]) . .	—	+38 2 1.2	+6 7 40.06	+60.40	+37 50 51.4	9.999451
Chicago (Alte Stw.)[5]) .	—	+41 50 1.0	+6 44 1.62	+66.37	+41 38 34.8	9.999357
Christiania Mer.-Kreis .	25	+59 54 43.7	+0 10 41.29	+ 1.76	+59 44 43.5	9.998916
Cincinnati (Alte Stw.) .	—	+39 6 26.5	+6 31 33.89	+64.32	+38 55 10.9	9.999425
Cincinnati (Neue Stw.)[6])	263	+39 8 19.5	+6 31 16.13	+64.27	+38 57 3.7	9.999442
Cleveland (Case Obs.) .	—	+41 30 14.5	+6 20 0.66	+62.43	+41 18 49.3	9.999365
Clinton (Litchfield Obs.)	276	+43 3 16.5	+5 55 12.28	+58.35	+42 51 47.6	9.999345
Coimbra	99	+40 12 25.8	+1 27 9.0	+14.32	+40 1 5.2	9.999405
Columbia Missouri[7]) .	225	+38 56 51.7	+7 2 53.17	+69.47	+38 45 36.9	9.999444
Cordoba	439	—31 25 15.5	+5 10 23.0	+50.99	—31 15 2.0	9.999638
Danzig	3	+54 21 18.0	—0 21 4.7	— 3.46	+54 10 23.1	9.999043
Denver[8])	1650	+39 40 36.4	+7 53 22.47	+77.76	+39 29 18.1	9.999523
Dorpat Mer. Kreis . .	73	+58 22 47.1	—0 53 18.43	— 8.76	+58 12 29.5	9.998953
Dresden (Neue Stw.)[9]) .	121	+51 2 16.8	—0 1 19.94	— 0.22	+50 51 1.0	9.999132
Dresden (Mathem. Salon)	—	+51 3 14.7	—0 1 21.03	— 0.22	+50 51 59.0	9.999124
Dublin (Dunsink Obs.) .	86	+53 23 13.1	+1 18 55.9	+12.97	+53 12 11.2	9.999072
Düsseldorf (Bilk) . . .	26	+51 12 25.0	+0 26 29.9	+ 4.35	+51 1 10.0	9.999122
Dunecht[10])	141	+57 9 36	+1 3 15	+10.39	+56 59 6	9.998986
Durham	—	+54 46 6.2	+0 59 54.5	+ 9.84	+54 35 14.6	9.999035
Edinburg	106	+55 57 23.2	+1 6 17.85	+10.89	+55 46 41.7	9.999012
Edinburg (Blackf. Hill) .	134	+55 55 28.0	+1 6 18.8	+10.89	+55 44 46.2	9.999014
Evanston (Dearborn Obs.)	—	+42 3 33.4	+6 44 17.1	+66.41	+41 52 6.6	9.999351
Flagstaff (Lowell Obs.) .	—	+35 12 30	+8 20 19.4	+82.19	+35 1 40	9.999520
Florenz (Alte Sternw.)[11])	73	+43 46 4.1	+0 8 33.50	+ 1.40	+43 34 34.2	9.999313
Florenz (Mil. Geogr. Inst.)	—	+43 46 49.3	+0 8 32.28	+ 1.40	+43 35 19.4	9.999308
Genf Mer.-Kreis	407	+46 11 59.1	+0 28 58.19	+ 4.76	+46 0 29.0	9.999274

1) Geod. Observ. des Polytechnikums.
2) Harvard College Observatory.
3) 1883 nach Tacubaya verlegt.
4) Leander Mc. Cormick Obs. der University of Virginia.
5) 1887 geschlossen.
6) Mount Lookout, seit 1873.
7) Laws Observatory.
8) University Park, Chamberlin Observatory.
9) v. Engelhardt; Herbst 1897 aufgelöst. Alte Sternwarte 14″.2 nördlich, 1ˢ.57 westlich.
10) Earl of Crawford.
11) 1872 nach Arcetri verlegt.

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ' "	h m s	s	° ' "	
Genua (Mar. Stw.) Mer.-Kr.	—	+44 25 9.3	+0 17 53.52	+ 2.94	+44 13 38.8	9.999291
Georgetown D. C. . .	46	+38 54 26.2	+6 1 53.13	+59.45	+38 43 11.6	9.999433
Glasgow Schottl. . . .	—	+55 52 42.6	+1 10 45.35	+11.62	+55 42 0.4	9.999007
Glasgow Missouri . . .	228	+39 13 45.6	+7 4 52.86	+69.80	+39 2 29.4	9.999438
Göttingen Mer.-Kreis . .	161	+51 31 48.2	+0 13 48.58	+ 2.27	+51 20 34.6	9.999123
Gohlis[1])	108	+51 21 35.0	+0 4 5.26	+ 0.67	+51 10 20.8	9.999123
Gotha (Neue Stw.) Zentr. d. St.[2])	320	+50 56 37.5	+0 10 44.36	+ 1.76	+50 45 21.2	9.999149
Graz	375	+47 4 37.2	—0 8 13	— 1.35	+46 53 8.2	9.999250
Greenwich Transit Circle	47	+51 28 38.1	+0 53 34.80	+ 8.80	+51 17 24.5	9.999116
Grignon	—	+47 33 42	+0 35 57	+ 5.91	+47 22 14	9.999212
Hamburg (Alte Stw.) M.-Kr.	25	+53 33 5.2	+0 13 41.20	+ 2.25	+53 22 4.4	9.999064
Hamburg (Bergedorf) M.-Kr.	—	+53 28 46.0	+0 12 37.06	+ 2.07	+53 17 44.7	9.999064
Hanover N. H.	—	+43 42 15.2	+5 42 42.80	+56.30	+43 30 45.4	9.999310
Harrow (Col. Tupmann) .	66	+51 34 47.4	+0 55 54.7	+ 9.19	+51 23 33.5	9.999115
Hastings on Huds.[3]) .	—	+40 59 25	+5 49 4.5	+57.35	+40 48 1	9.999378
Haverford	—	+40 0 36.5	+5 54 47.59	+58.28	+39 49 16.7	9.999403
Heidelberg (Wolfs Stw.)	—	+49 24 35	+0 18 46.4	+ 3.08	+49 13 12	9.999165
Heidelberg (Königstuhl)	570	+49 23 54.6	+0 18 40.86	+ 3.07	+49 12 31.7	9.999204
St. Helena	210	—15 55 26	+1 16 27.0	+12.56	—15 49 23	9.999906
Helsingfors Mer.-Kreis .	38	+60 9 42.6	—0 46 14.30	— 7.60	+59 59 45.4	9.998912
Herény (von Gothard) . .	229	+47 15 47.4	—0 12 49.8	— 2.11	+47 4 18.7	9.999235
Hongkong	—	+22 18 12.2	—6 43 7.1	—66.22	+22 10 8.4	9.999792
Hudson	—	+41 14 42.6	+6 19 18.99	+62.31	+41 3 18.2	9.999372
Ipswich (Orwell Park)[4]) .	—	+52 0 33	+0 48 39.0	+ 7.99	+51 49 22	9.999100
Jena (Univers.)	156	+50 55 35.6	+0 7 14.1	+ 1.19	+50 44 19.2	9.999137
Jena (Winkler)	174	+50 56 15.7	+0 7 12.89	+ 1.19	+50 44 59.4	9.999139
Kairo	—	+30 4 38.2	—1 11 34.00	—11.76	+29 54 40.2	9.999638
Kalocsa[5])	110	+46 31 42	—0 22 19.4	— 3.67	+46 20 12	9.999245
Karlsruhe[6])	110	+49 0 29.6	+0 19 58.4	+ 3.28	+48 49 5.4	9.999183
Kasan (Univers.)	79	+55 47 24.3	—2 22 54.13	—23.48	+55 36 41.3	9.999014
Kasan (Engelhardt) . . .	98	+55 50 20.0	—2 21 41.6	—23.28	+55 39 37.4	9.999014
Kew	10	+51 28 6	+0 54 49.9	+ 9.01	+51 16 52	9.999115
Kiel Neuer Mer.-Kreis . .	47	+54 20 27.6	+0 12 59.35	+ 2.13	+54 9 32.6	9.999047
Kiel Alter Mer.-Kreis . .	47	+54 20 28.5	+0 12 59.23	+ 2.13	+54 9 33.5	9.999047
Kiew Mer.-Kreis	179	+50 27 12.5	—1 8 25.77	—11.24	+50 15 53.9	9.999151
Kis Kartal[7])	—	+47 41 54.8	—0 24 36.8	— 4.04	+47 30 27.0	9.999208

1) Hr. Winkler, August 1887 nach Jena verlegt.
2) Seit 1853, früher Seeberg.
3) Dr. Draper.
4) Col. Tomline.
5) Erzbischöfl. Haynaldsche Sternwarte.
6) 1896 nach Heidelberg verlegt.
7) Baron von Podmaniczky.

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Königsberg Reps. M.-Kr.[1])	22	+54 42 50.6	−0 28 24.18	− 4.67	+54 31 58.6	9.999036
Kopenhagen (Neue Stw.)[2])	14	+55 41 12.9	+0 3 16.11	+ 0.54	+55 30 29.0	9.999012
Krakau Mer.-Kreis . . .	221	+50 3 51.9	−0 26 15.48	− 4.31	+49 52 31.6	9.999164
Kremsmünster Mer.-Kr.	384	+48 3 23.1	−0 2 56.78	− 0.48	+47 51 56.1	9.999225
Landstuhl (Fauth) . . .	385	+49 24 42.5	+0 23 18.45	+ 3.83	+49 13 19.7	9.999191
La Plata	—	−34 54 30	+4 45 11.9	+46.85	−34 43 43	9.999527
Leiden (Neue Stw.) Mer.-Kr[3])	6	+52 9 20.2	+0 35 38.65	+ 5.86	+51 58 10.4	9.999097
Leipzig (Neue Stw.) Zentr.[4])	119	+51 20 5.9	+0 4 0.87	+ 0.66	+51 8 52.0	9.999125
Lemberg	338	+49 50 11	−0 42 29	− 6.98	+49 38 50	9.999177
Leyton[5])	—	+51 34 34.0	+0 53 35.7	+ 8.80	+51 23 21.0	9.999111
Lissabon (Neue Stw.) . .	94	+38 42 31.3	+1 30 19.58	+14.84	+38 31 17.7	9.999441
Lissabon (Mar. Stw.) . .	—	+38 42 17.6	+1 30 8.4	+14.81	+38 31 4.0	9.999435
Liverpool (Neue Stw.)[6])	61	+53 24 3.8	+1 5 52.0	+10.82	+53 13 2.0	9.999070
London[7])	—	+51 31 30	+0 54 11.9	+ 8.90	+51 20 17	9.999112
Lübeck (Navig.-Sch.) .	19	+53 51 31.1	+0 10 49.2	+ 1.78	+53 40 32.5	9.999056
Lund Zentr. d. Stw. . .	34	+55 41 52.0	+0 0 49.83	+ 0.14	+55 31 8.3	9.999013
Lussinpiccolo[8]) . . .	—	+44 32 11	−0 4 17.5	− 0.70	+44 20 40	9.999288
Lüttich Ougrée . . .	128	+50 37 6	+0 31 23	+ 5.15	+50 25 48	9.999144
Lyon	299	+45 41 40.8	+0 34 26.8	+ 5.66	+45 30 10.3	9.999279
Madison (Washburn Obs.)	293	+43 4 36.7	+6 51 12.73	+67.55	+42 53 7.8	9.999345
Madras	7	+13 4 8.1	−4 27 24.53	−43.93	+12 59 4.8	9.999926
Madrid Zentr. d. Stw. . .	655	+40 24 29.7	+1 8 19.89	+11.23	+40 13 8.3	9.999437
Mailand Gr. Turm . . .	120	+45 27 59.4	+0 16 48.91	+ 2.76	+45 16 30.1	9.999273
Manila	—	+14 35 25	−7 10 15	−70.68	+14 29 49	9.999009
Mannheim Zentr. d. Stw.	98	+49 29 11.0	+0 19 44.38	+ 3.24	+49 17 48.5	9.999170
Marburg	248	+50 48 46.9	+0 18 29.9	+ 3.04	+50 37 30.0	9.999147
Mare Island Calif. . .	18	+38 5 55.8	+9 2 40.1	+89.15	+37 54 45.6	9.999451
Markree (Col. Cooper) .	45	+54 10 31.7	+1 27 23.2	+14.36	+53 59 35.5	9.999050
Marseille (Neue St.) M.-Kr.[9])	75	+43 18 19.1	+0 32 0.24	+ 5.26	+43 6 49.8	9.999325
Melbourne	28	−37 49 53.1	−8 46 19.37	−86.46	−37 38 44.5	9.999458
Meudon	—	+48 48 18	+0 44 39.3	+ 7.34	+48 36 53	9.999180
Mexico	2277	+19 26 1.3	+7 30 1.51	+73.93	+19 18 49.0	9.999995
Middletown Conn. . .	—	+41 33 16.0	+5 44 12.0	+56.54	+41 21 50.6	9.999364
Modena	63	+44 38 52.8	+0 9 52.0	+ 1.62	+44 27 22.2	9.999289
Moncalieri	—	+44 59 51	+0 22 46	+ 3.74	+44 48 20	9.999277
Montreal	20	+45 30 17.0	+5 47 53.45	+57.15	+45 18 46.4	9.999265

[1]) Nach 1898, vor 1898 0ˢ.01 westlich.
[2]) Seit 1861 Nov. 11. Alte Sternwarte 20″.3 südlich, 0ˢ.03 westlich.
[3]) Seit 1860. Alte Sternwarte 8″.0 nördlich, 0ˢ.42 östlich.
[4]) Seit 1861. Alte Sternwarte 14″.2 nördlich, 4ˢ.00 westlich.
[5]) J. Gurney Barclay.
[6]) Alte Sternwarte 44″.0 nördlich, 17ˢ.1 östlich.
[7]) Regents Park, G. Bishop 1836—61.
[8]) Manora-Sternwarte.
[9]) Seit 1866. Alte Sternwarte 30″.1 südlich, 6ˢ.2 westlich; 29ᵐ

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Mt. Hamilton (Lick) .	1283	+37 20 25.6	+9 0 9.65	+88.74	+37 9 20.1	9.999556
Moskau Mer.-Kr. . . .	142	+55 45 19.5	−1 36 42.23	−15.89	+55 34 36.2	9.999019
München West-Kuppel	529	+48 8 45.5	+0 7 8.78	+ 1.17	+47 57 18.8	9.999233
Nashville (Vanderbilt Obs.)	—	+36 8 58.2	+6 40 47.61	+65.84	+35 58 0.9	9.999497
Natal	—	−29 50 47.0	−1 10 26.4	−11.57	−29 40 51.7	9.999643
Neapel (Capo di M.) . .	164	+40 51 45.4	−0 3 26.8	− 0.57	+40 40 22.3	9.999392
Neuchâtel	488	+46 59 50.6	+0 25 45.05	+ 4.23	+46 48 21.5	9.999259
New Haven (Neue Stw.)[1]	—	+41 19 24.0	+5 45 15.33	+56.72	+41 7 59.3	9.999369
New York (Rutherfurd)	—	+40 43 48.5	+5 49 31.46	+57.42	+40 32 25.8	9.999384
New York (Columb. C.)	—	+40 45 23.1	+5 49 28.53	+57.41	+40 34 0.3	9.999384
Nikolajew	55	+46 58 22.1	−1 14 18.96	−12.21	+46 46 51.4	9.999230
Nizza Kl. Mer.-Kr.[2] . .	378	+43 43 16.9	+0 24 22.65	+ 4.01	+43 31 47.0	9.999335
Northfield (Goodsell Obs.)	286	+44 27 41	+7 6 10.8	+70.01	+44 16 10	9.999310
Oakland Californ.[3] .	11	+37 48 5	+9 2 41.1	+89.15	+37 36 57	9.999458
Odessa (Univ.-Stw.) Mer.-Kr.	55	+46 28 36.2	−1 9 27.25	−11.41	+46 17 6.3	9.999243
Odessa (Filiale Pulkowa)	—	+46 28 36.0	−1 9 27.39	−11.41	+46 17 6.1	9.999239
Ogden Utah	—	+41 13 8.6	+8 21 34.45	+82.40	+41 1 44.3	9.999372
O-Gyalla (Neue Stw.)[4]	—	+47 52 27.3	−0 19 10.69	− 3.15	+47 40 59.9	9.999204
Olmütz[5]	—	+49 35 43	−0 15 33	− 2.55	+49 24 21	9.999160
Oxford (Radcl. Obs.) . .	65	+51 45 36.0	+0 58 37.4	+ 9.63	+51 34 24.0	9.999111
Oxford (Univers.) . . .	64	+51 45 34.2	+0 58 35.2	+ 9.62	+51 34 22.2	9.999110
Oxford Missouri . . .	—	+34 22 12.6	+6 51 41.9	+67.63	+34 11 29.7	9.999540
Padua Mauer-Quadr. . .	31	+45 24 1.0	+0 6 5.65	+ 1.00	+45 12 30.4	9.999268
Palermo	76	+38 6 44.0	+0 0 9.0	+ 0.02	+37 55 33.8	9.999454
Paramatta	—	−33 48 49.8	−9 10 25.4	−90.42	−33 38 12.0	9.999553
Paris (Obs. nat.) Mer. Cassini	59	+48 50 11.2	+0 44 13.86	+ 7.27	+48 38 46.4	9.999183
Paris (Montsouris) westl. Mer.	—	+48 49 18.0	+0 44 14.10	+ 7.27	+48 37 53.2	9.999180
Parma (Univ.-Stw.) Turm	—	+44 48 4.7	+0 12 16.01	+ 2.41	+44 36 34.1	9.999282
Perth West.-Austr. . .	60	−31 57 9.6	−6 49 46.94	−67.32	−31 46 50.2	9.999600
Petersburg (Akademie)	20	+59 56 29.7	−1 7 38.55	−11.11	+59 46 29.9	9.998915
Petersburg (Univers.) .	4	+59 56 32.0	−1 7 36.5	−11.11	+59 46 32.2	9.998914
Philadelphia[6] . . .	—	+39 57 7.5	+5 54 13.29	+58.19	+39 45 47.9	9.999404
Plonsk[7]	—	+52 37 40.0	−0 27 57.1	− 4.59	+52 26 33.1	9.999085
Pola	32	+44 51 48.6	−0 1 48.16	− 0.30	+44 40 18.0	9.999282
Portsmouth	—	+50 48 3	+0 57 59.6	+ 9.53	+50 36 46	9.999130
Potsdam (Astr. Phys. Obs.)	97	+52 22 56.0	+0 1 18.94	+ 0.22	+52 11 47.6	9.999098

[1]) Yale University. Alte Sternwarte 45″.8 südlich, 1s.58 westlich.
[2]) Herr R. Bischofsheim.
[3]) Chabot Observatory.
[4]) Dr. von Konkoly.
[5]) Herr von Unkrechtsberg.
[6]) Flower Obs. (Univ. of Pennsylvania).
[7]) Dr. Jedrzejewicz; 1898 nach Warschau verlegt.

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Potsdam (Geod. Inst.) Turm	97	+52 22 54.8	+0 1 18.68	+ 0.22	+52 11 46.5	9.999098
Poughkeepsie . . .	—	+41 41 18	+5 49 8.4	+57.36	+41 29 52	9.999360
Prag (Univ.-Stw.) Turm .	197	+50 5 16.0	−0 4 5.49	− 0.67	+49 53 55.8	9.999161
Prag (Safarik)	—	+50 4 24	−0 4 13	− 0.69	+49 53 4	9.999148
Princeton N. J. (N. Stw.)[1]	76	+40 20 55.8	+5 52 14.33	+57.86	+40 9 34.6	9.999399
Providence[2]	—	+41 49 46.4	+5 39 12.42	+55.72	+41 38 20.2	9.999357
Pulkowa Zentr. d. Stw.	75	+59 46 18.7	−1 7 43.78	−11.13	+59 36 16.9	9.998922
Quebec Canada . . .	—	+46 48 17.3	+5 38 24.2	+55.59	+46 36 47.9	9.999231
Quito	2846	− 0 14 0	+6 8 55	+60.60	− 0 13 54	0.000194
Riga (Polytechnikum) Turm	—	+56 57 7	−0 42 53.31	− 7.04	+56 46 35	9.998981
Rio de Janeiro . . .	63	−22 54 23.7	+3 46 16.32	+37.17	−22 46 9.7	9.999786
Rochester (Lewis Swift)	172	+43 9 16.8	+6 3 56.67	+59.78	+42 57 47.7	9.999335
Rom (Coll. Rom.) Mer.-Kr.	59	+41 53 53.6	+0 3 39.44	+ 0.61	+41 42 27.3	9.999359
Rom (Capitol) Mer.-Kr.	63	+41 53 33.5	+0 3 38.46	+ 0.60	+41 42 7.2	9.999359
Rom (Vatican) Mer.-Kr.	—	+41 54 16.8	+0 3 45.52	+ 0.62	+41 42 50.4	9.999355
Rousdon	157	+50 42 38	+1 5 33.7	+10.76	+50 31 21	9.999143
Rugby	—	+52 22 7	+0 58 36.8	+ 9.63	+52 10 59	9.999091
St. Louis Missouri . .	—	+38 38 3.6	+6 54 23.95	+68.08	+38 26 50.4	9.999437
San Fernando . . .	31	+36 27 40.4	+1 18 24.17	+12.88	+36 16 40.8	9.999492
San Francisco[3] . .	—	+37 47 28.0	+9 3 17.61	+89.25	+37 36 19.7	9.999457
Santiago de Chile (N. St.)	—	−33 26 42.0	+5 36 21.2	+55.24	−33 16 7.6	9.999561
Santiago de Chile (A. St.)	619	−33 26 25.4	+5 36 11.7	+55.22	−33 15 51.0	9.999603
Scarborough	—	+54 16 30	+0 55 13.7	+ 9.07	+54 5 36	9.999045
Schwerin	—	+53 37 37.9	+0 7 54.00	+ 1.30	+53 26 37.7	9.999061
Seeberg[4]	356	+50 56 5.2	+0 10 39.75	+ 1.75	+50 44 48.9	9.999151
South Hadley . . .	—	+42 15 18.2	+5 43 55.18	+56.50	+42 3 50.9	9.999346
Speyer	—	+49 18 55.2	+0 19 49.29	+ 3.26	+49 7 32.0	9.999168
Stockholm Mer.Kreis .	44	+59 20 34.0	−0 18 39.18	− 3.06	+59 10 27.2	9.998930
Stonyhurst	—	+53 50 40.0	+1 3 27.5	+10.42	+53 39 41.3	9.999055
Straſsburg (Prov. Stw.)	161	+48 34 54.0	+0 22 32.43	+ 3.70	+48 23 28.5	9.999197
Straſsburg (N. St.) M.-Kr.[5]	144	+48 35 0.2	+0 22 30.27	+ 3.70	+48 23 34.7	9.999196
Sydney	44	−33 51 41.1	−9 11 14.80	−90.55	−33 41 2.8	9.999555
Tacubaya[6]	2322	+19 24 17.5	+7 30 21.33	+73.98	+19 17 5.8	9.999999
Taschkent	457	+41 19 31.3	−3 43 35.89	−36.73	+41 8 6.6	9.999400
Teramo (Cerulli) . . .	—	+42 39 27	−0 1 21	− 0.22	+42 27 59	9.999336
Tokio	—	+35 39 17.5	−8 25 23.2	−83.02	+35 28 24.0	9.999509

[1] Alte Sternwarte 2″.0 nördlich, 1ˢ.94 östlich; 65ᵐ.

[2] Seagrave; Ladd Observatory, 35″ nördlich, 1ˢ.57 östlich.

[3] Davidson Observatory.

[4] Alte Sternwarte, 1853 nach Gotha verlegt.

[5] Seit Anfang 1881.

[6] Seit März 1883, früher in Chapultepec.

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Toronto	—	+43 39 35.9	+ 6 11 9.49	+ 60.97	+43 28 6.1	9.999311
Toulouse	194	+43 36 45.3	+ 0 47 43.8	+ 7.84	+43 25 15.6	9.999325
Triest	23	+45 38 45.4	− 0 1 28.10	− 0.24	+45 27 14.9	9.999262
Troy N. Y.	—	+42 43 52.9	+ 5 48 19.4	+ 57.22	+42 32 24.6	9.999334
Tulse Hill (H. Huggins)	53	+51 26 47.0	+ 0 54 2.5	+ 8.88	+51 15 33.3	9.999118
Turin Mer.-Kr.	270	+45 4 7.9	+ 0 22 47.65	+ 3.74	+44 52 37.3	9.999293
Twickenham (G. Bishop)	—	+51 27 4.2	+ 0 54 47.9	+ 9.00	+51 15 50.5	9.999114
Upsala (N. Stw.) Pass.-Instr.	21	+59 51 29.4	− 0 16 55.33	− 2.78	+59 41 28.6	9.998916
Urbana Jll.	—	+40 6 20.2	+ 6 46 28.77	+ 66.77	+39 55 0.0	9.999400
Utrecht	12	+52 5 9.5	+ 0 33 3.2	+ 5.43	+51 53 59.3	9.999099
Valkenburg (Ignatius Coll.)	—	+50 52 29.3	+ 0 30 14.89	+ 4.97	+50 41 12.7	9.999128
Venedig	—	+45 25 49.5	+ 0 4 10.0	+ 0.68	+45 14 18.9	9.999266
Warschau Zentr. d. Stw.	110	+52 13 5.7	− 0 30 32.45	− 5.02	+52 1 56.3	9.999102
Warschau[1])	—	+52 13 10	− 0 30 30	− 5.01	+52 2 1	9.999095
Washington (Alte Stw.)	31	+38 53 38.9	+ 6 1 46.93	+ 59.43	+38 42 24.3	9.999432
Washington (Neue Stw.)	—	+38 55 14.0	+ 6 1 50.60	+ 59.44	+38 44 0.1	9.999430
Washington (kath. Univ.)	—	+38 56 14.8	+ 6 1 34.8	+ 59.40	+38 45 0.0	9.999429
Wellington (Mt. Cook Obs.)	—	−41 18 0.6	−10 45 31.72	−106.05	−41 6 36.0	9.999370
West Point N.Y. (N. Stw.)[2])	—	+41 23 22	+ 5 49 25.4	+ 57.40	+41 11 57	9.999368
Whitestone (Field Obs.)	—	+40 47 21.6	+ 5 48 42.5	+ 57.28	+40 35 58.6	9.999383
Wien (Alte Sternw.)	167	+48 12 35.5	− 0 11 56.81	− 1.96	+48 1 8.9	9.999206
Wien (Josephstadt)[3])	214	+48 12 53.8	− 0 11 50.37	− 1.94	+48 1 27.2	9.999210
Wien (Neue Sternw.) Zentr.	240	+48 13 55.4	− 0 11 46.56	− 1.93	+48 2 28.9	9.999211
Wien (Ottakring)[4])	285	+48 12 46.7	− 0 11 36.17	− 1.91	+48 1 20.1	9.999215
Wien (Mil. Geogr. Inst.)	—	+48 12 40.0	− 0 11 51.45	− 1.95	+48 1 13.4	9.999195
Wien (Techn. Hochschule)	—	+48 11 58.5	− 0 11 54.91	− 1.96	+48 0 31.9	9.999196
Wilhelmshaven Mer. Kr.	9	+53 31 52.1	+ 0 20 59.74	+ 3.45	+53 20 51.2	9.999064
Williams-Bay Wisc.[5])	—	+42 34 12.6	+ 6 47 48.08	+ 66.99	+42 22 44.7	9.999338
Williamstown Mass.	—	+42 42 49	+ 5 46 28.3	+ 56.92	+42 31 21	9.999335
Williamstown Vict.	—	−37 52 7.2	− 8 46 3.3	− 86.42	−37 40 58.4	9.999455
Wilna Pass.-Instr.	122	+54 40 59.1	− 0 47 33.96	− 7.81	+54 30 6.8	9.999043
Windsor N. S. W.[6])	16	−33 36 30.8	− 9 9 45.97	− 90.31	−33 25 54.9	9.999559
Zürich	470	+47 22 40.0	+ 0 19 22.5	+ 3.18	+47 11 11.5	9.999248

[1]) Dr. Jedrzejewicz; seit 1898, früher in Plonsk.
[2]) Seit 1883. Alte Sternwarte 9″ nördlich, 1ˢ.2 östlich.
[3]) von Oppolzers Sternwarte.
[4]) v. Kuffner.
[5]) Yerkes Observatory.
[6]) J. Tebbutt. Neue Sternwarte, 0″.4 südlich von der alten.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
1 Ceres	Dez. 6	7.3	7.4	4.0	1906 Dez. 12.0	d. Ep.	293° 58′ 20.5″	68° 29′ 43.8″
2 Pallas	Okt. 8	8.2	8.0	4.5	1906 Okt. 9.0	d. Ep.	278 41 58.1	309 6 37.2
3 Juno	Febr. 2	8.1	8.7	5.5	1906 Jan. 26.0	d. Ep.	49 58 10.9	244 27 43.9
4 Vesta	Sept. 15	6.5	6.5	4.0	1906 Sept. 7.0	d. Ep.	85 44 35.3	147 50 27.5
5 Astraea	Aug. 19	10.9	9.9	6.9	1898 Sept. 11.0	1910.0	224 4 1.2	353 28 9.3
6 Hebe	Febr. 3	8.9	8.5	5.8	1900 Juli 3.0	1910.0	284 20 20.1	236 56 30.6
7 Iris	Juli 29	8.2	8.4	5.8	1900 Jan. 0.0*)	1900.0	9 5 20.1	141 31 26.9
8 Flora	Dez. 44	8.6	8.9	6.8	1848 Jan. 1.0*)	d. Ep.	35 52 49.3	282 38 15.6
9 Metis	—	—	8.9	6.3	1858 Juni 30.0	d. Ep.	57 4 34.7	2 32 16.9
10 Hygiea	Aug. 6	9.3	9.5	5.4	1898 Dez. 20.0	1910.0	291 20 17.9	308 57 0.0
11 Parthenope	—	—	9.3	6.5	1901 Okt. 26.0	1910.0	65 58 42.7	193 25 55.1
12 Victoria	Febr. 23	10.5	9.7	7.2	1851 Jan. 0.0*)	d. Ep.	66 2 39.9	66 4 43.3
13 Egeria	April 14	9.6	9.7	6.7	1850 Jan. 0.0*)	d. Ep.	210 46 34.3	76 58 23.7
14 Irene	Aug. 29	10.9	9.7	6.6	1898 Okt. 1.0	1910.0	180 47 34.9	92 3 45.6
15 Eunomia	April 14	9.6	8.6	5.4	1854 Jan. 0.0*)	d. Ep.	122 5 31.5	93 59 46.0
16 Psyche	—	—	9.6	5.9	1899 Juli 27.0	1910.0	301 1 33.0	226 3 57.4
17 Thetis	Jan. 30	10.6	10.1	7.3	1906 Febr. 2.0	1910.0	239 0 5.5	138 20 44.5
18 Melpomene	Jan. 2	8.9	9.3	6.9	1854 Jan. 0.0*)	d. Ep.	80 4 37.0	225 1 41.3
19 Fortuna	Dez. 17	9.2	9.8	7.1	1906 Nov. 29.0	1910.0	35 11 32.6	180 8 19.8
20 Massalia	Jan. 16	8.3	9.2	6.5	1899 März 29.0	1910.0	76 24 22.5	253 47 7.4
21 Lutetia	—	—	10.1	7.4	1853 Jan. 2.0*)	1852.0	74 20 5.1	246 36 10.2
22 Kalliope	Okt. 7	9.5	9.8	6.1	1898 Okt. 1.0	1910.0	96 34 37.0	351 57 0.4
23 Thalia	Juli 22	11.3	10.5	7.3	1900 Jan. 3.0	1910.0	337 2 2.1	56 0 12.2
24 Themis	Okt. 16	11.1	10.8	6.7	1905 Juni 27.0	1900.0	170 16 40.3	105 42 2.7
25 Phocaea	Nov. 25	11.0	10.5	7.9	1898 Aug. 2.0	1910.0	7 21 33.6	88 49 22.7
26 Proserpina	Sept. 11	10.6	10.5	7.3	1906 Sept. 10.0	1910.0	100 9 36.4	190 31 3.0
27 Euterpe	Juli 9	10.5	9.7	7.2	1873 Jan. 5.0*)	1870.0	90 32 27.0	354 8 6.0
28 Bellona	Juni 28	10.7	10.1	6.6	1906 Juni 22.0	1910.0	140 8 27.7	340 50 0.7
29 Amphitrite	—	—	9.0	6.1	1855 Jan. 0.0*)	1870.0	198 1 40.2	59 42 14.8
30 Urania	—	—	9.9	7.4	1890 Juni 5.0	1910.0	239 51 48.5	83 41 38.7
31 Euphrosyne	Jan. 9	9.8	11.0	6.8	1899 Okt. 15.0	1910.0	327 7 12.3	60 23 44.4
32 Pomona	Febr. 21	10.2	10.6	7.5	1855 Jan. 5.0*)	d. Ep.	223 54 39.3	332 38 53.4
33 Polyhymnia	April 9	12.9	11.8	8.2	1900 Jan. 0.0	1910.0	137 40 57.3	334 11 19.2
34 Circe	Dez. 20	11.2	11.5	8.2	1897 Dez. 5.0	1910.0	288 24 37.6	326 54 50.4
35 Leukothea	—	—	12.2	8.3	1905 Dez. 4.0	1910.0	264 12 37.0	208 54 48.9
36 Atalante	—	—	12.0	8.6	1899 Mai 8.0	1910.0	179 27 12.1	44 26 46.7
37 Fides	Juli 27	10.8	10.4	7.2	1906 Juli 12.0	1910.0	249 53 51.4	59 55 59.6
38 Leda	Febr. 5	10.6	11.4	8.0	1897 Febr. 8.0	1910.0	31 52 32.7	166 10 19.4
39 Laetitia	Jan. 7	9.6	9.5	6.0	1897 Jan. 19.0	1910.0	111 43 50.9	205 28 15.6
40 Harmonia	—	—	9.2	6.9	1863 Jan. 0.0*)	d. Ep.	186 48 19.4	267 19 12.8

*) Mittlere Elemente

Ω	i	φ	μ	Log. a	Autorität
80° 43′ 24.″1	10° 37′ 18.″6	4° 30′ 22.″1	770.3716	0.4422042	Godward.
172 52 46.4	34 42 1.6	13 50 15.4	769.4763	0.4425409	Farley.
170 47 23.4	13 1 33.7	14 57 13.6	814.3270	0.4261385	Hind.
103 33 47.4	7 8 8.0	5 10 18.5	978.1034	0.3730812	Farley.
141 39 24.5	5 20 3.2	11 1 8.5	858.1895	0.4109489	Farley.
138 47 54.7	14 47 59.3	11 35 3.1	939.1860	0.3848366	R. Luther.
260 33 44.3	5 28 1.2	13 20 50.2	962.5828	0.3777123	Riem.
110 17 16.7	5 53 7.3	9 0 54.4	1086.3382	0.3426943	Downing.
68 31 35.2	5 36 0.3	7 5 2.4	962.3390	0.3777857	Lesser.
285 58 13.6	3 48 51.6	6 53 27.8	639.1669	0.4962615	E. Becker.
125 23 31.9	4 37 51.4	5 44 1.0	923.9058	0.3895859	R. Luther.
235 34 41.7	8 23 17.7	12 38 44.9	994.8347	0.3681705	Brünnow.
43 11 34.5	16 32 24.6	4 59 47.3	857.9451	0.4110315	Hansen.
87 5 6.2	9 7 32.0	9 20 51.3	851.4287	0.4132389	Maywald.
293 52 14.5	11 44 17.4	10 47 32.2	825.4550	0.4222087	Schubert.
150 39 24.8	3 4 25.9	7 50 18.3	710.5554	0.4656058	Schubert.
125 11 18.8	5 36 37.6	7 40 51.4	913.66901	0.3928118	Maywald.
150 3 49.7	10 9 16.9	12 34 20.2	1020.1198	0.3609036	Schubert.
211 18 47.1	1 32 58.2	9 5 44.8	929.32929	0.3878913	Berberich.
206 49 40.3	0 41 7.9	8 17 46.2	949.0005	0.3818268	Küstner.
80 27 48.5	3 5 9.5	9 19 44.6	933.5544	0.3865780	Lesser.
66 41 31.2	13 43 38.1	5 38 34.5	714.4288	0.4640317	Berberich.
67 58 18.4	10 13 3.3	13 32 59.4	833.5369	0.4193879	Schubert.
35 37 12.3	0 48 2.2	7 49 43.5	641.70063	0.4951161	Krueger.
214 22 20.9	21 36 40.9	14 39 21.4	954.0992	0.3802754	Berberich.
45 58 32.0	3 35 3.1	5 1 53.3	820.07343	0.4241026	P. Neugebauer.
93 51 20.1	1 35 30.4	10 0 56.0	986.6944	0.3705493	Hoppe.
144 41 37.0	9 23 4.3	8 40 13.9	766.33119	0.4437267	v. d. Groeben.
356 40 46.5	6 7 4.6	4 15 25.3	869.0352	0.4073128	E. Becker.
308 25 1.9	2 6 2.7	7 21 5.1	975.3144	0.3739080	Günther.
31 53 23.2	26 28 7.0	12 52 34.7	635.0803	0.4981187	Schubert.
220 42 55.2	5 28 49.9	4 45 43.1	852.5880	0.4128449	Lesser.
9 15 35.3	1 55 20.3	19 41 13.8	731.7057	0.4571134	Newcomb.
184 58 12.9	5 27 21.7	6 4 35.9	805.6011	0.4292575	Auwers.
355 14 16.2	8 4 34.9	12 46 31.0	683.0160	0.4770505	Tietjen.
359 15 7.6	18 39 44.0	17 26 19.0	777.3458	0.4395950	Schubert.
7 58 10.6	3 6 9.5	10 5 52.0	826.02562	0.4219980	R. Luther.
296 37 59.5	6 57 55.1	8 53 45.4	781.8518	0.4379215	Berberich.
157 33 8.6	10 22 6.9	6 23 16.8	769.6407	0.4424791	Tietjen.
93 34 54.2	4 15 48.4	2 40 13.6	1039.3353	0.3555006	Schubert.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
41 Daphne . .	—	—	10.5	7.0	1897 Okt. 6.0	1910.0	338° 8′ 41.4″	41° 50′ 23.8″
42 Isis	Sept. 15	9.0	10.4	7.7	1906 Sept. 10.0	1910.0	17 24 40.0	234 6 2.8
43 Ariadne . .	April 3	9.7	10.0	7.9	1897 Okt. 6.0	1910.0	80 15 48.4	13 58 23.0
44 Nysa	Mai 16	10.1	9.8	7.1	1891 April 1.0	1910.0	101 29 32.1	340 33 5.3
45 Eugenia . .	April 17	10.2	10.7	7.3	1890 Nov. 12.0	1910.0	180 7 31.7	82 43 5.7
46 Hestia . . .	Dez. 20	10.5	10.6	7.7	1906 Dez. 19.0	1910.0	74 16 5.5	173 15 37.2
47 Aglaja . . .	Okt. 7	10.7	11.2	7.5	1906 Sept. 30.0	1910.0	46 4 54.8	309 57 5.5
48 Doris	Juli 29	11.1	10.9	6.8	1890 Sept. 13.0	1910.0	277 3 7.4	251 36 27.2
49 Pales	Sept. 12	11.0	11.0	7.0	1898 März 15.0	1910.0	133 1 8.6	104 17 27.1
50 Virginia . .	Jan. 15	11.7	11.7	8.5	1890 April 6.0	1910.0	193 9 42.2	196 47 34.7
51 Nemausa . .	Juli 2	9.9	9.8	7.3	1889 Nov. 17.0	1910.0	254 26 43.1	358 30 22.4
52 Europa . . .	—	—	10.3	6.2	1891 April 1.0	1910.0	65 39 33.0	335 59 4.0
53 Kalypso . .	Juli 16	12.5	11.5	8.4	1906 Aug. 1.0	1910.0	211 18 26.2	310 54 2.4
54 Alexandra .	März 9	11.4	10.9	7.6	1884 Aug. 15.0	1910.0	316 55 13.5	341 53 36.7
55 Pandora . .	Febr. 15	11.3	10.8	7.4	1885 Jan. 22.0	1910.0	263 33 12.6	0 46 56.4
56 Melete . . .	Febr. 22	12.1	11.3	8.2	1900 Dez. 30.0	1910.0	157 16 2.5	101 6 0.1
57 Mnemosyne	Jan. 24	10.5	10.7	6.5	1906 Jan. 13.0	1910.0	64 18 52.8	207 36 14.4
58 Concordia .	Sept. 18	11.8	11.6	8.3	1865 Jan. 7.0*)	d. Ep.	21 24 4.2	27 50 14.7
59 Elpis	—	—	10.9	7.6	1865 Jan. 7.0	1910.0	334 18 57.1	207 58 24.0
60 Echo	—	—	11.1	8.5	1897 Okt. 6.0	1910.0	272 15 22.3	267 57 40.8
61 Danaë . . .	Juli 16	10.3	11.0	7.1	1900 April 14.0	1910.0	244 20 50.4	8 27 28.4
62 Erato	—	—	12.3	8.2	1877 Sept. 21.0	1910.0	358 43 44.3	273 18 12.0
63 Ausonia . .	Mai 19	9.2	9.9	7.3	1898 Febr. 3.0	1910.0	250 44 8.5	292 55 12.7
64 Angelina . .	Juli 8	11.1	10.5	7.2	1898 Okt. 1.0	1910.0	239 38 51.2	173 35 10.2
65 Cybele . . .	Mai 7	10.5	11.0	6.4	1906 Mai 13.0	1910.0	336 39 51.5	96 24 3.3
66 Maja	Sept. 24	11.4	12.2	9.0	1897 Juli 18.0	1910.0	277 24 16.1	40 10 30.9
67 Asia	April 15	11.2	11.2	8.5	1897 Dez. 5.0	1910.0	201 20 50.1	103 20 15.8
68 Leto	Jan. 23	11.1	10.5	7.0	1906 Febr. 2.0	1910.0	119 41 49.5	301 43 31.2
69 Hesperia . .	—	—	10.7	6.8	1889 Jan. 1.0	1910.0	182 52 57.9	284 43 32.6
70 Panopaea .	—	—	10.9	7.8	1890 Dez. 22.0	1910.0	305 21 16.5	252 49 41.9
71 Niobe . . .	Mai 21	9.9	10.7	7.3	1906 Juni 2.0	1910.0	17 31 44.9	265 31 35.6
72 Feronia . .	Juli 16	10.3	11.2	8.9	1897 Dez. 25.0	1910.0	166 4 16.3	100 27 8.7
73 Klytia . . .	Mai 9	12.3	12.0	8.8	1898 Aug. 2.0	1910.0	244 29 53.1	52 42 38.5
74 Galatea . .	Febr. 20	12.6	11.8	8.3	1897 Febr. 28.0	1910.0	148 4 45.2	170 59 36.6
75 Eurydike . .	Dez. 6	11.4	11.6	8.4	1897 Okt. 26.0	1910.0	32 23 13.9	335 34 7.7
76 Freia	Okt. 16	11.5	12.0	7.4	1906 Okt. 20.0	1910.0	311 43 17.5	236 20 15.7
77 Frigga . . .	Nov. 29	11.3	11.1	7.9	1897 Okt. 6.0	1910.0	331 13 52.7	56 51 43.2
78 Diana . . .	Mai 29	11.1	10.6	7.5	1899 Sept. 6.0	1910.0	253 25 1.6	148 55 16.3
79 Eurynome .	—	—	10.5	7.8	1905 Okt. 5.0	1910.0	333 26 51.5	198 49 57.9
80 Sappho . . .	Juni 30	10.0	10.6	8.2	1896 Okt. 11.0	1910.0	19 11 20.2	136 54 7.7

*) Mittlere Elemente.

Ω	i	φ	μ	Log. a	Autorität
179° 2′ 48.7″	15° 55′ 33.5″	15° 26′ 36.4″	770.4586″	0.4421715	Berberich.
84 27 15.8	8 33 51.8	12 47 42.4	929.49635	0.3878393	L. Becker.
264 53 57.0	3 27 42.6	9 38 32.6	1084.7577	0.3431159	Prey.
131 22 43.4	3 42 0.7	8 48 10.9	941.7363	0.3840515	Powalky.
148 15 53.9	6 35 18.5	4 44 11.6	791.0695	0.4345280	Richter.
181 27 12.5	2 17 27.4	9 31 43.8	883.37283	0.4025751	Karlinski.
4 2 57.9	5 0 9.8	7 32 15.9	726.19557	0.4592353	P. Neugebauer.
184 50 59.0	6 30 23.4	3 30 16.7	645.5014	0.4934063	Powalky.
289 50 20.8	3 8 28.3	12 52 28.4	648.4530	0.4920854	Powalky.
173 55 41.5	2 48 27.0	16 45 58.0	823.5561	0.4228757	Powalky.
176 1 8.9	9 57 11.5	3 51 23.3	975.1593	0.3739540	Berberich.
129 57 19.4	7 26 14.9	6 31 44.8	651.8134	0.4905889	Murmann.
143 54 13.5	5 8 6.3	11 47 0.3	837.20918	0.4181151	Tietjen.
314 2 22.8	11 47 37.5	11 31 49.2	795.5362	0.4328978	Schultz.
11 13 41.5	7 13 26.0	8 18 56.3	774.4612	0.4406713	A. Moeller.
194 10 59.0	8 3 9.4	13 24 5.5	846.1114	0.4150527	R. Luther.
200 5 41.0	15 12 3.2	6 44 45.1	635.10249	0.4981086	Adolph.
161 19 50.3	5 1 50.5	2 26 21.8	799.5964	0.4314238	Oppolzer.
170 58 0.1	8 36 53.1	6 44 2.7	793.9788	0.4334651	Oppolzer.
192 2 8.5	3 35 2.2	10 34 22.7	958.2244	0.3790263	C. H. F. Peters.
334 23 28.2	18 15 3.1	9 29 23.8	688.3554	0.4747959	R. Luther.
126 6 30.1	2 12 15.4	10 6 47.4	642.5659	0.4947260	Oppolzer.
338 6 39.1	5 47 15.9	7 17 58.7	957.1671	0.3793459	Tietjen.
311 1 40.8	1 19 37.6	7 17 59.7	807.9036	0.4284314	Oppolzer.
158 51 27.6	3 28 47.6	5 42 20.3	556.79473	0.5362077	Fritsche.
8 25 31.5	3 5 3.2	10 3 43.4	824.3940	0.422582	Maywald.
203 4 10.5	5 59 10.5	10 47 54.5	942.3560	0.3838611	Frischauf.
44 48 13.1	7 58 39.1	10 47 57.6	765.26948	0.4441281	Th. Wolff.
186 49 25.9	8 29 47.6	9 39 2.0	689.6731	0.4742422	Kowalczyk.
48 23 54.9	11 38 23.5	10 22 15.9	838.9960	0.4174978	Richter.
316 25 35.1	23 16 55.1	10 6 15.6	776.12151	0.4400513	P. Neugebauer.
208 2 57.2	5 23 52.3	6 56 42.6	1040.3544	0.3552169	C. H. F. Peters.
7 43 24.2	2 24 17.7	2 34 3.9	816.0117	0.4255401	Powalky.
197 53 4.9	4 0 22.1	13 43 0.6	764.6230	0.4443728	Maywald.
0 6 45.0	4 59 55.9	17 45 42.2	812.4299	0.4268137	Stockwell.
212 19 39.8	2 2 48.7	9 49 47.1	563.86697	0.5325532	Murmann.
2 12 17.7	2 27 34.5	7 38 43.5	813.8298	0.4263153	Plath.
334 0 6.3	8 41 23.1	12 5 4.7	837.1977	0.4181191	v. Dubjago.
206 41 18.5	4 35 59.4	11 1 52.1	928.4267	0.3881717	Lachmann.
218 49 35.1	8 37 17.6	11 34 29.9	1020.1089	0.3609067	P. V. Neugebauer.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M °	′	″	ω °	′	″
81 Terpsichore	Mai 23	12.8	11.8	8.2	1897 Juli 18.0	1910.0	260	37	9.1	46	14	50.5
82 Alkmene . .	—	—	11.2	7.8	1905 Okt. 15.0	1910.0	276	58	1.8	106	39	9.2
83 Beatrix . . .	—	—	11.3	8.6	1891 Jan. 11.0	1910.0	295	16	6.4	163	24	40.4
84 Klio	—	—	11.3	8.8	1905 Aug. 26.0	1910.0	358	8	15.4	12	51	25.6
85 Io	Jan. 23	12.1	10.9	7.7	1889 Febr. 10.0	1910.0	180	9	35.1	120	16	17.9
86 Semele . . .	März 19	13.2	12.4	8.3	1896 Mai 4.0	1910.0	203	38	25.9	300	25	58.4
87 Sylvia . . .	Aug. 5	11.4	11.9	7.2	1898 April 24.0	1910.0	236	42	47.7	265	34	33.5
88 Thisbe . . .	Febr. 17	11.6	10.8	7.4	1889 Dez. 27.0	1910.0	25	33	30.8	30	50	45.1
89 Julia	April 23	10.8	10.1	7.1	1889 Dez. 27.0	1910.0	237	15	2.3	42	50	18.7
90 Antiope . .	Dez. 5	12.1	11.6	7.5	1906 Nov. 29.0	1910.0	111	54	2.7	233	25	6.3
91 Aegina . . .	Mai 3	11.7	10.8	7.7	1897 Febr. 8.0	1910.0	54	32	6.9	71	55	32.8
92 Undina . . .	Mai 22	10.8	10.9	6.7	1904 Febr. 13.0	1900.0	142	28	50.2	220	34	12.4
93 Minerva . .	Jan. 13	11.5	10.8	7.4	1897 Jan. 19.0	1910.0	213	22	8.2	270	52	4.5
94 Aurora . . .	Sept. 2	11.1	11.3	7.1	1883 Juli 12.0	1910.0	256	3	4.3	45	22	37.9
95 Arethusa . .	—	—	11.3	7.3	1905 Dez. 24.0	1910.0	49	12	50.5	149	2	21.2
96 Aegle . . .	April 19	10.9	11.4	7.4	1897 Sept. 16.0	1910.0	182	59	36.0	200	34	30.1
97 Klotho . . .	—	—	10.6	7.4	1898 Jan. 14.0	1910.0	21	4	31.9	264	36	8.8
98 Ianthe . . .	Dez. 1	11.7	12.7	9.4	1894 Jan. 15.0	1910.0	331	2	34.3	154	49	36.4
99 Dike . , . .	—	—	14	10.5	1868 Juni 5.0	1910.0	350	36	11	198	52	56
100 Hekate . . .	Aug. 2	10.8	11.9	7.8	1898 Jan. 14.0	1910.0	156	19	38.0	176	49	53.2
101 Helena . . .	Dez. 8	10.9	10.7	7.6	1897 Aug. 27.0	1910.0	8	56	38.1	343	58	24.2
102 Miriam . . .	April 29	13.4	12.6	9.4	1898 Juli 13.0	1910.0	319	11	42.8	143	38	29.9
103 Hera	Febr. 14	10.7	10.2	6.9	1897 Febr. 8.0	1910.0	173	11	18.9	185	58	53.7
104 Klymene . .	Juni 26	12.8	12.2	8.0	1897 Dez. 25.0	1910.0	35	9	54.6	20	0	49.1
105 Artemis . .	—	—	11.1	8.5	1897 Aug. 27.0	1910.0	69	55	41.8	54	43	26.1
106 Dione . . .	Mai 28	12.0	11.3	7.2	1906 Juni 2.0	1910.0	232	25	40.2	324	34	8.1
107 Camilla . . .	Aug. 20	11.0	11.2	6.5	1891 April 21.0	1910.0	97	7	57.4	293	57	59.6
108 Hecuba . . .	Sept. 30	12.1	11.7	7.4	1906 Okt. 20.0	1910.0	209	9	59.5	174	3	11.0
109 Felicitas . .	Febr. 11	11.3	12.0	8.7	1898 Jan. 14.0	1910.0	115	33	32.5	52	23	6.6
110 Lydia . . .	März 16	10.9	10.5	7.1	1888 Febr. 16.0	1910.0	197	35	50.6	279	6	57.2
111 Ate	Febr. 27	10.8	11.3	8.2	1890 Jan. 16.0	1910.0	91	26	4.4	163	34	48.8
112 Iphigenia .	Jan. 22	12.1	11.5	8.8	1897 Dez. 25.0	1910.0	88	12	11.4	14	7	51.7
113 Amalthea .	Dez. 17	11.2	11.0	8.4	1906 Dez. 9.0	1910.0	252	41	23.5	76	1	8.8
114 Kassandra .	Aug. 11	11.7	11.1	7.8	1889 Sept. 18.0	1910.0	211	30	3.4	348	48	30.0
115 Thyra . . .	Febr. 13	10.4	10.4	7.8	1897 Okt. 6.0	1910.0	340	57	26.1	94	2	38.0
116 Sirona . . .	April 9	10.1	10.7	7.3	1889 Juni 10.0	1910.0	158	3	13.7	89	6	38.1
117 Lomia . . .	Mai 28	11.5	11.4	7.5	1897 Okt. 6.0	1910.0	332	35	55.4	48	38	20.1
118 Peitho . . .	Febr. 13	10.8	10.8	8.1	1906 Febr. 22.0	1910.0	49	1	10.8	31	0	29.3
119 Althaea . .	Juli 8	10.5	10.6	7.5	1898 Aug. 2.0	1910.0	314	33	34.0	168	34	50.1
120 Lachesis . .	Juni 24	11.4	11.7	7.6	1897 Nov. 15.0	1910.0	202	19	20.3	238	31	10.8

☊	*i*	*φ*	*μ*	Log. *a*	Autorität
° ' "	° ' "	° ' "	"		
2 34 20.8	7 55 5.5	12 11 52.3	736.4126	0.4552569	Maywald.
26 38 23.7	2 51 14.2	12 49 10.6	772.58909	0.4413720	W. Luther.
27 47 22.4	4 59 49.4	4 51 24.3	935.9122	0.3858476	E. Becker.
327 36 31.0	9 21 30.3	13 38 45.2	977.4026	0.3732887	P. Neugebauer.
203 55 21.1	11 53 47.5	11 10 33.7	821.0524	0.4237571	v. d. Groeben.
88 2 1.0	4 47 35.9	12 46 53.6	650.4530	0.4911939	Riem.
75 15 57.6	10 53 1.7	5 26 44.5	545.3288	0.5422321	v. d. Groeben.
277 51 59.5	5 14 54.8	9 26 6.4	771.1774	0.4419015	Kowalczyk.
312 0 55.5	16 12 32.0	10 33 29.3	871.5645	0.4064714	Th. Wolff.
71 18 25.3	2 16 13.2	8 50 9.7	632.21886	0.4994261	Maywald.
11 4 13.0	2 8 25.1	6 7 10.0	850.8763	0.4134268	Heuer.
102 50 42.0	9 56 23.7	5 22 41.6	622.67957	0.5038280	Anderson.
5 4 31.2	8 35 28.0	8 1 55.7	775.6316	0.4402341	P. Lehmann.
4 33 17.4	8 4 18.6	4 44 18.3	630.6584	0.5001416	Leppig.
244 6 29.1	12 55 59.4	8 56 14.8	661.0933	0.4864959	Schur.
322 47 10.3	16 2 24.5	7 39 35.3	663.1502	0.4855965	Schulhof.
160 57 9.4	11 45 29.3	14 51 9.7	813.5778	0.4264050	Maywald.
354 27 5.1	15 33 47.6	10 49 11.3	805.3086	0.4293629	Riem.
42 17 51	13 53 30	13 47 30	758.662	0.44664	Loewy u. Tisserand.
128 26 39.4	6 23 7.5	9 31 58.5	653.5823	0.4898043	Stark.
343 42 52.6	10 10 32.8	8 1 10.2	854.8620	0.4120737	v. d. Groeben.
211 39 13.0	5 5 24.5	14 44 31.2	817.8380	0.4248929	C. H. F. Peters.
136 26 1.5	5 24 33.0	4 30 21.3	798.0990	0.4319665	Leveau.
43 13 29.2	2 52 54.6	8 32 48.6	632.5948	0.4992540	Berberich.
188 14 55.0	21 30 55.0	10 6 59.0	970.4600	0.3753527	A. Leman.
63 12 51.6	4 35 57.8	9 17 40.4	625.19284	0.5026617	Berberich.
176 14 1.0	9 51 39.6	3 56 39.0	544.1827	0.5428412	Matthiessen.
352 29 33.2	4 23 37.4	6 2 45.5	618.19706	0.5059198	Schulhof.
4 42 21.8	8 1 1.3	17 12 53.0	799.9088	0.4313108	v. d. Groeben.
57 28 55.1	5 59 45.1	4 37 36.1	785.9425	0.4364105	H. Oppenheim.
306 39 51.1	4 56 20.2	5 58 35.2	849.9712	0.4137349	Holetschek.
324 13 23.0	2 37 9.3	7 25 29.0	934.8048	0.3861905	Tietjen.
123 19 21.5	5 2 12.5	5 1 45.8	968.36151	0.3759794	W. Luther.
164 40 55.6	4 53 53.8	7 55 32.6	810.5220	0.4274945	Anton.
309 19 50.6	11 35 36.3	11 5 7.8	966.3219	0.3765898	Watson.
64 42 11.5	3 35 10.3	8 3 59.9	770.3736	0.442203	H. Oppenheim.
349 41 19.0	14 56 21.2	1 31 51.9	685.2178	0.4761187	Tietjen.
47 42 1.5	7 46 34.1	9 29 0.6	932.83107	0.3868024	Holetschek.
203 58 4.8	5 44 15.8	4 42 49.9	855.7364	0.4117777	Berberich.
342 45 48.8	7 0 16.6	3 30 1.0	645.4399	0.4934339	Plath.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M			ω		
							°	′	″	°	′	″
121 Hermione . .	Nov. 4	10.6	11.2	6.6	1906 Okt. 20.0	1910.0	30	5	34.8	280	44	33.1
122 Gerda	Juni 29	11.4	11.5	7.2	1906 Juli 12.0	1910.0	82	42	52.4	12	7	28.6
123 Brunhild . .	April 15	11.2	11.8	8.5	1898 Juni 23.0	1910.0	210	35	25.0	122	14	17.2
124 Alkeste . . .	Aug. 13	10.1	10.3	7.1	1890 Dez. 2.0	1910.0	180	26	7.9	58	14	32.3
125 Liberatrix. .	Jan. 5	11.6	11.2	7.8	1897 Jan. 19.0	1910.0	202	46	5.6	104	32	55.5
126 Velleda . . .	Sept. 11	10.8	11.5	8.8	1899 Dez. 15.0	1910.0	81	58	56.5	325	47	25.0
127 Johanna . .	Febr. 20	10.2	10.5	7.1	1890 Okt. 3.0	1910.0	251	23	46.9	90	26	21.5
128 Nemesis . .	März 15	11.2	10.6	7.2	1897 Jan. 19.0	1910.0	144	20	2.3	300	34	0.1
129 Antigone . .	—	—	10.3	6.6	1897 Jan. 19.0	1910.0	253	10	0.2	103	42	26.3
130 Elektra . . .	Febr. 19	11.1	10.6	6.5	1898 Aug. 22.0	1910.0	337	5	55.3	233	46	1.6
131 Vala	—	—	12.2	9.5	1898 Dez. 20.0	1910.0	288	37	28.9	155	56	24.1
132 Aethra . . .	—	—	11.1	8.0	1895 Nov. 30.5	1910.0	330	47	37.2	252	14	56.3
133 Cyrene . . .	Nov. 4	11.9	11.3	7.3	1898 Jan. 14.0	1910.0	280	4	53.4	283	57	33.7
134 Sophrosyne .	Okt. 15	10.6	11.1	8.1	1906 Nov. 9.0	1910.0	330	48	22.1	82	50	4.6
135 Hertha . . .	Dez. 7	10.8	10.5	7.8	1898 Okt. 1.0	1910.0	33	3	56.2	337	7	56.5
136 Austria . . .	Aug. 17	10.7	11.2	8.9	1898 März 15.0	1910.0	211	14	20.2	130	28	54.5
137 Meliboea . .	Febr. 4	12.9	11.8	7.7	1898 Nov. 10.0	1910.0	80	12	0.8	105	35	51.7
138 Tolosa . . .	Dez. 28	12.5	11.8	9.1	1896 Febr. 14.0	1910.0	190	23	49.0	258	3	38.4
139 Juewa. . . .	Sept. 10	11.7	10.9	7.4	1898 Nov. 30.0	1910.0	299	0	11.9	162	8	50.0
140 Siwa	Nov. 30	11.9	11.4	8.0	1898 Okt. 1.0	1910.0	173	35	23.3	193	12	17.2
141 Lumen . . .	März 22	12.5	11.4	8.2	1890 Aug. 24.0	1910.0	321	2	54.7	54	13	35.4
142 Polana . . .	Juli 3	11.7	12.2	9.5	1896 Dez. 10.0	1910.0	211	12	47.7	289	58	40.0
143 Adria	—	—	12.4	9.0	1891 Okt. 18.0	1910.0	160	45	41.3	248	47	46.1
144 Vibilia . . .	Okt. 13	9.1	10.7	7.5	1888 Juli 18.0	1910.0	289	54	28.9	290	45	10.7
145 Adeona . . .	Juli 14	12.1	11.3	8.1	1898 Aug. 22.0	1910.0	240	12	41.7	40	33	3.5
146 Lucina . . .	April 29	10.7	11.1	7.7	1898 Aug. 2.0	1910.0	89	1	10.2	140	57	36.7
147 Protogeneia .	Jan. 23	12.6	12.5	8.4	1898 Sept. 11.0	1910.0	348	52	58.8	122	45	45.6
148 Gallia	Mai 11	12.0	11.0	7.5	1906 April 23.0	1910.0	188	2	56.1	250	35	41.9
149 Medusa . . .	März 31	13.3	12.9	11.0	1906 März 14.0	1910.0	131	55	39.4	249	28	8.6
150 Nuwa	Okt. 27	10.9	11.6	7.7	1893 März 1.0	1910.0	155	36	25.8	146	41	42.7
151 Abundantia	Febr. 9	11.5	11.9	8.8	1898 März 15.0	1910.0	9	18	20.9	130	21	2.4
152 Atala	Mai 7	12.3	12.2	8.1	1899 Jan. 29.0	1910.0	27	31	7.9	42	37	0.7
153 Hilda	Okt. 15	12.6	12.6	7.3	1906 Sept. 30.0	1910.0	78	27	21.0	55	14	58.9
154 Bertha . . .	März 1	11.0	12.2	7.0	1906 Febr. 22.0	1910.0	315	44	53.8	164	4	24.9
155 Scylla	—	—	13.5	9.8	1875 Nov. 8.5	1910.0	339	4	47	39	9	57
156 Xanthippe .	Okt. 4	12.3	11.3	7.9	1903 Jan. 29.0	1900.0	210	16	9.4	334	33	43.4
157 Dejanira . .	Mai 10	14.0	13.7	10.6	1904 Nov. 17.5	1904.0	330	35	43.9	45	39	12.1
158 Koronis . . .	März 30	12.5	12.3	8.7	1898 Aug. 22.0	1910.0	278	50	53.8	138	43	15.9
159 Aemilia . . .	Juni 28	12.8	12.3	8.2	1897 Dez. 5.0	1910.0	324	40	17.3	331	52	54.3
160 Una	Dez. 25	11.5	11.8	8.4	1897 Dez. 25.0	1910.0	33	30	8.8	46	47	30.1

☊	*i*	*φ*	*μ*	Log. *a*	Autorität
76° 47′ 37.2″	7° 34′ 59.1″	8° 0′ 25.5″	555.90415″	0.5366711	Berberich.
178 46 42.3	1 36 29.9	3 2 27.2	615.02327	0.5074101	Lange.
308 38 28.5	6 25 27.6	7 1 21.7	802.5894	0.4303421	Berberich.
188 37 15.4	2 55 29.2	4 27 41.2	832.2976	0.4198186	Hall sen.
169 36 18.8	4 37 57.0	4 29 45.0	780.9349	0.4382611	Lange.
23 27 7.7	2 56 26.5	6 3 52.3	931.5192	0.3872099	Heuer.
31 53 43.8	8 15 42.7	3 47 29.9	775.8987	0.4401344	Maywald.
76 45 7.8	6 15 8.3	7 13 52.8	778.9624	0.4389934	de Ball.
137 58 12.8	12 10 1.8	12 15 18.0	730.5585	0.4575677	Austin.
146 16 41.6	22 58 1.8	12 29 21.9	646.4298	0.4929901	Powalky.
65 37 21.8	4 57 47.1	3 51 52.5	935.8550	0.3858654	Berberich.
260 11 30.0	23 32 20.0	19 21 13.8	903.6882	0.3959920	W. Luther.
321 25 52.7	7 13 50.2	8 2 47.1	662.6045	0.4858348	v. d. Groeben.
346 16 0.5	11 36 35.4	6 40 52.2	864.75211	0.4087433	Maywald.
344 13 36.6	2 18 34.4	11 45 17.6	937.0637	0.3854917	Maywald.
186 20 58.5	9 33 12.0	4 52 0.8	1025.7532	0.3593092	H. Oppenheim.
203 47 40.2	13 21 7.8	12 46 22.0	645.4607	0.4934245	Lange.
54 53 56.5	3 13 22.0	9 16 35.8	924.9117	0.3892709	v. d. Groeben.
2 33 1.8	10 55 19.7	9 57 48.4	764.0768	0.4445797	Berberich.
107 14 12.9	3 11 29.4	12 31 19.9	786.6737	0.4361413	v. d. Groeben.
319 28 26.5	11 58 39.3	12 16 57.4	814.6615	0.4260196	Berberich.
292 1 39.9	2 14 29.1	7 44 10.6	943.5246	0.3835023	L. Becker.
333 54 46.0	11 30 13.3	4 8 20.2	773.3958	0.4410699	von Haerdtl.
77 1 15.3	4 48 16.9	13 28 14.3	819.4849	0.4243104	Powalky.
77 55 52.9	12 41 10.3	8 24 20.6	812.2212	0.4268882	Tietjen.
84 26 43.8	13 5 8.8	3 39 14.6	791.4186	0.4344003	Berberich.
251 21 33.7	1 54 15.5	2 2 8.6	638.8069	0.4964247	L. Becker.
145 17 16.6	25 20 9.6	10 36 1.9	768.76551	0.4428085	L. Becker.
158 47 47.2	0 55 42.5	3 51 20.3	1106.54270	0.3373590	Lange.
207 50 0.6	2 8 18.4	7 20 7.3	689.2534	0.474418	H. Oppenheim.
39 1 12.0	6 28 21.2	2 10 51.3	850.1245	0.4136827	Riem.
41 25 0.5	12 13 21.2	4 12 12.4	637.2942	0.4971111	Lange.
228 26 30.6	7 51 58.0	9 26 35.2	451.61352	0.5968258	Kühnert.
37 8 43.0	20 58 19.3	4 57 40.2	624.62310	0.5029257	Anton.
43 20 30	14 4 31	14 49 28	713.7875	0.464292	Schulhof.
242 43 10.3	9 39 1.8	12 55 24.2	785.6858	0.436505	Ebell.
62 9 28.7	12 5 20.1	11 30 39.9	856.508	0.411518	Sternberg.
281 12 13.9	1 0 0.7	3 17 38.9	730.4848	0.4575969	Maywald.
135 12 3.7	6 4 55.0	5 37 45.9	647.4107	0.492551	Berberich.
9 24 54.3	3 51 22.4	3 45 8.1	787.7290	0.435753	P. Neugebauer.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
161 Athor	Aug. 16	10.1	11.0	8.4	1896 Dez. 30.0	1910.0	142° 39′ 1.6″	291° 48′ 34.3″
162 Laurentia	—	—	12.3	8.4	1899 Sept. 6.0	1910.0	215 30 54.3	106 2 42.9
163 Erigone	Juli 16	12.5	11.5	9.0	1906 Juli 12.0	1910.0	204 53 31.8	295 23 42.8
164 Eva	Juni 21	11.7	11.5	8.3	1906 Juni 22.0	1910.0	303 12 38.7	281 52 7.5
165 Loreley	—	—	11.1	7.0	1897 April 9.0	1910.0	290 21 20.7	342 30 12.7
166 Rhodope	Mai 29	13.3	12.5	9.2	1897 Juni 8.0	1910.0	213 52 27.9	261 28 49.8
167 Urda	Dez. 4	13.2	13.0	9.4	1898 Jan. 14.0	1910.0	197 17 5.7	121 7 43.9
168 Sibylla	Juli 7	11.6	11.6	7.1	1899 Mai 29.0	1910.0	218 22 50.2	174 26 31.9
169 Zelia	—	—	11.3	8.8	1890 Aug. 4.0	1910.0	328 1 8.3	332 10 48.8
170 Maria	März 13	11.7	11.7	8.7	1906 April 3.0	1910.0	79 23 9.7	155 19 48.7
171 Ophelia	Mai 18	12.0	12.1	8.0	1897 Okt. 6.0	1910.0	236 0 17.5	50 27 33.1
172 Baucis	Jan. 17	10.9	10.4	7.8	1889 Juni 30.0	1910.0	316 43 41.4	356 48 28.3
173 Ino	—	—	11.0	7.6	1897 Jan. 19.0	1910.0	71 13 19.6	224 39 41.9
174 Phaedra	Sept. 6	11.5	11.6	8.0	1897 Okt. 6.0	1910.0	129 24 10.1	286 21 18.9
175 Andromache	Okt. 11	11.4	12.3	8.0	1906 Okt. 20.0	1910.0	36 15 40.8	302 4 36.4
176 Idunna	Dez. 15	11.6	12.1	7.9	1906 Nov. 29.0	1910.0	41 4 7.6	182 58 52.8
177 Irma	—	—	12.4	9.0	1897 Jan. 19.0	1910.0	71 42 48.0	33 16 9.9
178 Belisana	Febr. 25	12.0	12.0	9.2	1906 Febr. 22.0	1910.0	254 27 25.2	213 55 56.7
179 Klytæmnestra	Mai 23	11.7	11.5	7.7	1897 Okt. 6.0	1910.0	14 32 37.3	100 30 2.0
180 Garumna	Juni 8	13.7	13.3	9.9	1899 Nov. 5.0	1910.0	308 53 34.6	169 12 38.1
181 Eucharis	April 6	11.4	11.5	7.4	1887 Okt. 19.0	1910.0	305 49 36.6	310 26 20.5
182 Elsa	Aug. 8	10.9	11.0	8.3	1897 März 20.0	1910.0	102 51 45.1	308 16 41.4
183 Istria	Febr. 8	12.0	12.6	9.1	1900 Dez. 10.0	1910.0	15 39 20.2	262 21 44.2
184 Dejopeja	Jan. 19	12.3	12.4	8.2	1906 Jan. 13.0	1910.0	294 40 9.7	215 47 24.4
185 Eunike	Mai 8	11.1	10.0	6.6	1889 Aug. 29.0	1910.0	328 9 2.3	221 34 37.8
186 Celuta	—	—	11.4	8.9	1897 Aug. 27.0	1910.0	2 39 38.6	313 36 27.2
187 Lamberta	Aug. 31	11.8	11.4	8.0	1897 Aug. 27.0	1910.0	94 42 30.1	192 2 46.6
188 Menippe	Aug. 24	12.0	13.0	9.6	1897 Sept. 1.0	1910.0	23 1 52.2	66 36 36.3
189 Phthia	—	—	11.5	8.8	1900 Mai 24.0	1910.0	234 17 27.2	166 0 10.0
190 Ismene	Mai 22	12.5	12.0	6.7	1906 Mai 13.0	1910.0	121 5 42.5	286 25 31.4
191 Kolga	April 28	12.5	12.0	8.3	1897 Juli 18.0	1910.0	271 52 28.4	224 21 12.1
192 Nausikaa	Mai 12	10.1	9.3	6.7	1888 Juli 25.0	1910.0	324 20 18.4	27 40 24.5
193 Ambrosia	—	—	12.2	9.2	1879 März 25.5	1910.0	68 48 35.8	79 36 55.8
194 Prokne	Nov. 30	10.7	10.5	7.4	1899 Jan. 29.0	1910.0	130 9 24.2	160 37 18.4
195 Eurykleia	Dez. 2	12.1	12.6	8.9	1896 Nov. 20.0	1910.0	289 6 21.8	118 7 2.1
196 Philomela	Febr. 21	10.5	10.3	6.3	1901 April 9.0	1910.0	240 25 11.6	237 19 45.5
197 Arete	Mai 2	12.8	12.7	9.3	1900 Jan. 24.0	1910.0	134 40 9.5	243 28 47.4
198 Ampella	Juni 9	10.9	11.1	8.3	1906 Juni 2.0	1910.0	286 35 55.9	87 23 4.6
199 Byblis	Febr. 12	12.8	12.4	8.2	1906 Febr. 22.0	1910.0	259 46 24.4	171 53 37.9
200 Dynamene	Juli 26	11.1	11.3	7.9	1888 Juli 25.0	1910.0	277 46 23.8	82 43 1.3

☊	i	φ	μ	Log. a	Autorität
18° 48′ 52.5″	9° 3′ 17.7″	7° 57′ 23.4″	967.0645″	0.3763675	Tietjen.
38 16 1.8	6 5 6.0	10 31 5.3	676.5719	0.4797951	Tietjen.
160 15 17.2	4 46 35.4	11 1 22.2	973.8305	0.3743489	Berberich.
77 41 46.4	24 23 44.8	20 15 51.4	829.95819	0.4206310	Richter.
304 11 19.1	11 12 5.0	3 54 10.6	641.1299	0.4953737	Samter.
129 39 27.9	12 1 54.8	12 13 13.9	806.7683	0.4288385	Richter.
166 38 10.8	2 10 45.6	1 59 3.7	736.5954	0.4551851	Lange.
209 23 56.1	4 36 6.5	4 21 54.0	571.6864	0.5285658	v. d. Groeben.
354 58 8.5	5 30 51.2	7 31 33.7	979.6462	0.3726249	Richter.
301 25 8.4	14 21 24.1	3 37 49.2	869.28183	0.4072307	Lange.
101 3 53.7	2 33 12.1	6 38 28.6	636.3859	0.4975241	Berberich.
332 11 35.0	10 2 10.4	6 32 18.8	965.9899	0.3766893	Berberich.
148 53 6.9	14 15 36.8	11 51 44.6	780.8006	0.4383110	Bečka.
328 48 32.4	12 6 32.9	8 23 43.8	734.0156	0.456201	H. Oppenheim.
25 28 33.9	3 10 39.3	11 5 45.1	612.3009	0.5086945	Berberich.
201 6 33.5	22 41 12.7	10 8 24.1	626.54556	0.5020359	P. Neugebauer.
349 34 1.8	1 26 55.3	13 32 58.0	768.8406	0.4427802	Richter.
51 1 41.7	1 54 29.1	2 34 28.2	919.8167	0.3908703	Berberich.
253 20 50.4	7 47 52.8	6 37 0.0	692.8578	0.472908	H. Oppenheim.
314 50 1.1	0 53 40.8	9 46 17.7	790.4612	0.4347507	v. d. Groeben.
145 7 22.1	18 35 23.6	12 40 26.5	643.5438	0.4942856	de Ball.
106 46 38.9	2 10 9.1	10 50 51.9	944.5132	0.3831990	Samter.
142 54 44.3	26 25 59.5	20 27 8.2	760.4634	0.4459522	Petrelius.
333 51 43.7	1 9 57.1	3 26 7.0	622.88550	0.5037323	Thraen.
154 3 8.4	23 14 21.7	7 11 14.1	782.8522	0.4375512	Bauschinger.
14 43 53.5	13 11 11.6	8 41 21.3	977.5884	0.3732337	Tietjen.
22 22 32.4	10 41 24.8	13 36 43.5	785.6152	0.4365311	A. Leman.
241 56 25.8	11 44 36.3	10 15 28.9	772.712	0.441326	Coniel.
203 32 11.1	5 8 54.2	2 4 18.4	924.2246	0.3894861	H. Oppenheim.
177 3 15.1	6 8 10.2	9 41 46.5	453.74256	0.5954647	Küstner.
159 59 7.7	11 29 25.6	5 13 5.0	720.0541	0.4617609	L. Becker.
343 33 25.4	6 51 40.6	14 9 22.7	952.4502	0.3807762	Lange.
351 40 33.1	11 38 46.5	16 34 52.0	858.2960	0.410913	A. Leman.
159 29 8.2	18 25 4.9	13 50 55.7	839.1447	0.4174465	Tietjen.
7 52 26.6	7 0 9.8	2 25 31.9	727.0481	0.4589623	Riem.
73 27 31.0	7 17 1.5	1 13 48.1	646.0377	0.4931658	P. V. Neugebauer.
82 10 10.5	8 49 20.8	9 22 12.5	782.6498	0.4376261	Lange.
268 35 46.4	9 18 41.6	13 4 27.8	919.50725	0.3909677	v. d. Groeben.
89 41 55.1	15 24 49.7	10 33 11.5	631.15585	0.4999133	Tietjen.
325 35 38.5	6 54 46.3	7 41 20.4	783.6017	0.4372741	Bauschinger.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
201 Penelope	Dez. 6	11.8	11.9	8.6	1897 Nov. 15.0	1910.0	53° 1′ 33.0″	177° 43′ 4.8″
202 Chryseïs	Sept. 24	11.1	10.7	6.7	1896 Nov. 20.0	1910.0	296 12 57.2	355 17 24.9
203 Pompeja	Sept. 17	11.4	11.7	8.3	1899 Jan. 9.0	1910.0	65 39 8.5	53 45 33.1
204 Kallisto	Dez. 15	12.8	12.0	8.7	1888 Nov. 2.0	1910.0	140 55 19.4	51 16 26.1
205 Martha	Juli 27	12.6	12.7	9.2	1886 Febr. 26.0	1910.0	139 40 10.2	172 8 41.4
206 Hersilia	Sept. 17	12.0	12.0	8.6	1887 Juni 21.0	1910.0	184 57 36.2	300 24 35.6
207 Hedda	Aug. 2	11.8	11.8	9.5	1898 Febr. 3.0	1910.0	280 15 16.2	190 38 50.0
208 Lacrimosa	März 21	12.1	12.1	8.4	1899 Nov. 25.0	1910.0	315 23 43.1	105 47 59.3
209 Dido	Aug. 14	11.5	11.5	7.4	1897 Dez. 25.0	1910.0	222 32 56.9	249 39 35.2
210 Isabella	Nov. 10	11.7	12.5	9.1	1897 Okt. 26.0	1910.0	358 48 23.3	10 17 39.2
211 Isolda	—	—	11.5	7.5	1895 Nov. 26.0	1910.0	1 10 15.0	170 41 36.4
212 Medea	—	—	12.2	8.1	1899 Juli 28.0	1910.0	276 2 57.4	101 16 7.9
213 Lilaea	—	—	11.7	8.3	1898 Febr. 23.0	1910.0	229 20 37.9	158 35 27.9
214 Aschera	Mai 25	12.2	12.1	9.0	1897 April 9.0	1910.0	72 5 59.3	128 5 43.8
215 Oenone	—	—	12.7	9.3	1891 Nov. 7.0	1910.0	55 43 48.8	314 6 30.5
216 Kleopatra	—	—	10.1	6.6	1886 Juni 26.0	1910.0	277 9 56.8	176 11 54.3
217 Eudora	—	—	13.1	9.5	1900 Dez. 10.0	1910.0	75 4 1.8	150 32 44.9
218 Bianca	Aug. 25	11.5	11.4	8.2	1893 Aug. 28.0	1910.0	96 4 34.6	58 48 58.8
219 Thusnelda	—	—	11.2	8.8	1889 Jan. 21.0	1910.0	130 33 20.7	140 3 44.8
220 Stephania	—	—	13.6	11.0	1887 Jan. 0.5	1910.0	131 12 41.6	75 7 33.9
221 Eos	Nov. 26	11.2	11.3	7.4	1898 März 15.0	1910.0	201 46 0.0	188 0 19.7
222 Lucia	Sept. 4	12.7	12.9	8.8	1898 Jan. 14.0	1910.0	225 34 56.4	175 52 41.3
223 Rosa	Aug. 17	13.7	13.3	9.2	1891 Dez. 17.0	1910.0	333 23 9.3	58 28 30.7
224 Oceana	—	—	11.7	8.5	1890 Febr. 5.0	1910.0	225 24 48.8	276 55 27.0
225 Henrietta	Febr. 8	13.8	12.7	8.2	1903 Nov. 5.0	1910.0	88 41 26.8	97 37 49.8
226 Weringia	—	—	13.0	9.7	1891 Aug. 19.0	1910.0	30 52 14.2	150 8 45.9
227 Philosophia	Nov. 24	13.8	12.9	8.7	1896 Dez. 10.0	1910.0	283 51 33.6	254 29 42.9
228 Agathe	—	—	14.5	12.4	1892 Nov. 21.5	1910.0	49 45 10.8	16 2 37.2
229 Adelinda	Mai 10	13.5	13.5	8.9	1901 Aug. 27.0	1910.0	3 50 29.2	303 1 51.4
230 Athamantis	Jan. 19	10.4	10.3	7.7	1897 Okt. 26.0	1910.0	11 22 17.7	137 12 47.9
231 Vindobona	Mai 18	11.4	12.4	8.6	1898 Nov. 10.0	1910.0	164 53 38.2	263 38 46.4
232 Russia	Dez. 18	13.7	13.4	10.4	1901 Sept. 16.0	1910.0	159 56 8.4	48 35 13.8
233 Asterope	Okt. 16	10.8	11.3	8.1	1897 Aug. 27.0	1910.0	353 18 46.2	122 35 34.5
234 Barbara	—	—	11.7	9.1	1898 Okt. 21.0	1910.0	33 57 10.0	190 6 58.4
235 Carolina	Juni 24	11.8	12.2	8.5	1897 Sept. 16.0	1910.0	73 32 29.3	207 24 29.7
236 Honoria	Jan. 2	11.5	11.4	7.9	1890 Aug. 20.5	1910.0	341 11 56.1	170 30 20.7
237 Coelestina	Febr. 24	13.1	12.8	9.4	1897 März 20.0	1910.0	258 3 0.9	196 24 38.6
238 Hypatia	Jan. 3	11.6	11.7	8.0	1900 Dez. 10.0	1910.0	54 45 6.4	207 2 40.9
239 Adrastea	—	—	14.0	10.2	1900 Dez. 10.0	1910.0	26 23 21.4	206 1 9.9
240 Vanadis	Okt. 8	11.4	12.5	9.3	1901 Juli 18.0	1910.0	262 20 34.3	298 17 15.6

☊	i	φ	μ	Log. a	Autorität
157° 17′ 30.″2	5° 43′ 18.″9	10° 25′ 23.″2	809.″8362	0.4277396	Bauschinger.
137 54 25.3	8 49 26.9	5 51 45.4	659.4551	0.4872142	Berberich.
348 46 39.6	3 12 20.0	3 28 23.6	783.8637	0.4371774	Berberich.
206 2 34.8	8 17 3.5	9 51 34.4	812.2343	0.4268835	Palisa.
212 34 39.7	10 39 53.8	1 54 54.4	765.9190	0.4438825	Küstner.
145 33 33.3	3 45 25.4	2 19 59.5	782.3554	0.437735	Stechert.
29 5 52.3	3 49 3.8	1 39 3.3	1027.9888	0.3586788	Richter.
5 25 26.9	1 47 15.0	0 54 11.9	721.0639	0.4613553	Berberich.
2 8 19.7	7 14 33.2	3 46 48.4	636.9842	0.4972519	Bauschinger.
33 11 5.1	5 18 10.8	7 6 30.8	790.0977	0.4348838	Berberich.
265 28 46.4	3 52 0.2	9 15 38.8	668.6056	0.4832244	Bauschinger.
315 15 56.5	4 16 54.7	6 40 42.2	647.3973	0.4925571	L. Becker.
122 36 4.4	6 46 27.7	8 19 49.1	777.0010	0.4397233	A. Leman.
342 41 30.4	3 27 38.3	1 55 49.3	841.5265	0.416626	Tietjen.
25 28 14.6	1 43 23.1	2 1 15.5	771.4115	0.4418137	Bauschinger.
216 8 54.0	13 2 22.4	14 31 20.7	759.7703	0.4462162	Knopf.
164 9 28.1	10 15 31.0	17 38 25.1	727.0438	0.4589640	Richter.
171 10 12.2	15 12 11.0	6 36 19.6	814.9375	0.4259216	Bauschinger.
201 5 2.9	10 47 16.8	12 54 38.9	982.2924	0.3718439	Darmer.
258 52 26.3	7 34 13.7	14 53 43.7	984.634	0.371154	Bidschof.
142 45 34.4	10 50 59.6	5 34 47.1	677.3539	0.4794607	Bauschinger.
80 28 19.6	2 10 46.9	8 27 39.8	641.7676	0.4950859	Berberich.
48 48 2.4	1 58 46.6	6 57 0.4	652.9855	0.4900687	Bauschinger.
353 39 57.4	5 52 27.9	2 25 51.0	824.6755	0.4224824	S. Oppenheim.
200 52 24.6	20 41 56.1	15 18 16.8	567.5897	0.530647	Cerulli.
135 39 6.7	15 49 30.5	11 43 4.3	793.2109	0.433745	Kreutz.
331 9 43.9	9 15 0.1	12 2 39.9	637.0300	0.4972311	Lange.
313 44 55.4	2 33 21.6	13 55 0.2	1086.2400	0.3427205	Kreutz.
30 51 11.2	2 9 17.4	8 9 53.2	562.4884	0.5332620	Berberich.
239 53 16.0	9 25 11.6	3 32 52.8	964.9093	0.3770134	Richter.
352 24 25.6	5 8 18.5	8 56 36.2	711.1049	0.4653820	Lange.
152 33 31.6	6 4 17.4	9 51 22.1	869.5956	0.4071263	v. d. Groeben.
222 40 10.4	7 39 4.5	5 49 43.8	817.9445	0.4248552	Knopf.
144 25 8.3	15 21 14.2	14 7 1.5	962.6609	0.3776889	Tietjen.
66 42 2.0	9 4 3.2	3 31 18.9	725.2712	0.4596708	Tietjen.
186 49 0.9	7 36 48.4	10 54 45.4	758.1024	0.446853	Bidschof.
84 44 24.1	9 45 48.7	4 1 30.3	771.8775	0.4416388	Schwarz.
184 35 15.0	12 23 12.7	5 10 15.7	715.9041	0.463434	Berberich.
181 39 47.0	6 9 4.0	13 26 21.7	693.1222	0.472798	Berberich.
114 55 52.6	2 5 52.9	11 54 32.0	814.7587	0.4259851	Berberich.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
241 Germania	Nov. 30	11.1	11.2	7.2	1906 Nov. 29.0	1910.0	70° 43′ 55.1″	74° 34′ 8.3″
242 Kriemhild	Mai 1	12.6	12.6	9.0	1889 Dez. 27.0	1910.0	307 49 54.4	274 28 16.5
243 Ida	April 5	13.5	13.3	9.7	1898 Sept. 11.0	1910.0	276 49 8.8	104 57 1.6
244 Sita	Juli 13	13.5	13.7	11.7	1900 Okt. 11.0	1910.0	6 50 18.3	164 28 0.7
245 Vera	—	—	12.5	8.5	1897 März 20.0	1910.0	141 1 15.6	326 20 12.9
246 Asporina	—	—	11.7	8.4	1890 Jan. 16.0	1910.0	316 40 26.7	94 5 7.1
247 Eukrate	Dez. 22	9.9	11.0	7.6	1906 Dez. 19.0	1910.0	21 6 4.7	53 55 12.8
248 Lameia	Dez. 15	13.4	13.0	10.2	1905 Aug. 6.0	1910.0	71 44 12.3	1 2 34.4
249 Ilse	April 11	14.7	13.6	11.1	1904 Dez. 29.0	1910.0	69 11 14.1	39 42 30.4
250 Bettina	Juni 7	12.3	11.5	7.3	1897 Nov. 15.0	1910.0	332 3 32.7	66 3 47.2
251 Sophia	Juli 20	14.1	13.6	9.6	1902 Nov. 10.0	1910.0	335 39 10.4	288 20 55.2
252 Clementina	Juni 5	13.0	13.0	8.8	1901 Juli 18.0	1910.0	317 26 58.9	148 50 33.1
253 Mathilde	Juli 18	11.8	13.4	10.2	1901 April 9.0	1910.0	256 52 2.1	153 38 18.0
254 Augusta	Aug. 14	12.9	13.4	11.3	1887 Juli 31.0	1910.0	101 27 54.0	230 49 10.4
255 Oppavia	Okt. 12	14.1	13.8	10.4	1890 Jan. 16.0	1910.0	336 40 35.6	149 6 36.3
256 Walpurga	Jan. 15	13.4	13.2	9.3	1906 Febr. 2.0	1910.0	254 22 31.1	48 28 9.1
257 Silesia	—	—	12.8	8.7	1902 April 4.0	1910.0	106 36 49.5	25 30 6.8
258 Tyche	Febr. 1	11.8	11.1	8.0	1904 Okt. 10.0	1900.0	4 23 24.3	152 52 26.8
259 Aletheia	—	—	12.1	8.0	1899 Nov. 25.0	1910.0	162 11 23.4	156 52 33.7
260 Huberta	Nov. 15	13.6	13.9	9.2	1900 Dez. 10.0	1910.0	92 3 1.9	163 58 5.7
261 Prymno	Mai 1	11.5	11.5	9.0	1897 Nov. 15.0	1910.0	275 46 24.4	63 7 47.9
262 Valda	Aug. 28	13.8	14.1	11.1	1901 Mai 19.0	1910.0	189 4 51.8	22 36 56.6
263 Dresda	Dez. 8	13.1	13.3	9.6	1903 Febr. 18.0	1910.0	133 51 41.8	158 3 22.8
264 Libussa	—	—	12.1	8.6	1895 Aug. 18.0	1910.0	316 59 55.7	336 41 5.1
265 Anna	März 18	12.3	13.8	11.1	1906 März 14.0	1910.0	334 34 37.9	251 23 58.2
266 Aline	Juni 12	12.1	11.7	8.2	1904 Jan. 4.0	1900.0	65 48 59.9	147 50 13.7
267 Tirza	Aug. 15	13.6	14.0	10.5	1901 Juni 28.0	1910.0	4 14 46.5	193 22 52.6
268 Adorea	Dez. 13	12.6	12.5	8.5	1903 Mai 29.0	1910.0	41 9 17.0	58 53 55.4
269 Justitia	—	—	12.7	9.6	1900 Okt. 31.0	1910.0	91 35 3.3	115 31 13.2
270 Anahita	Mai 31	10.7	11.0	8.9	1906 Juni 2.0	1910.0	294 21 4.0	77 58 10.4
271 Penthesilea	April 30	13.3	12.8	8.9	1902 Aug. 22.0	1910.0	303 17 6.1	49 19 54.7
272 Antonia	—	—	13.6	10.1	1899 Juli 28.0	1910.0	208 59 58.9	65 32 12.4
273 Atropos	Jan. 4	12.6	11.6	9.0	1888 März 9.5	1910.0	261 20 1.8	118 28 21.5
274 Philagoria	Okt. 12	14.2	13.6	9.6	1905 Juli 17.0	1910.0	81 26 30.7	114 39 38.8
275 Sapientia	Jan. 24	11.2	12.0	8.5	1902 April 24.0	1910.0	36 26 14.9	31 7 20.2
276 Adelheid	Aug. 8	12.2	11.2	7.7	1901 Okt. 6.0	1910.0	240 57 31.9	272 59 31.8
277 Elvira	—	—	13.1	9.4	1907 März 9.0	1910.0	156 48 17.8	131 37 27.2
278 Paulina	April 16	11.9	12.7	9.3	1904 Dez. 29.0	1900.0	261 7 32.7	137 18 52.3
279 Thule	Okt. 30	13.7	13.8	8.1	1891 Febr. 20.0	1910.0	155 36 48.8	233 22 18.9
280 Philia	Mai 5	14.7	14.4	10.6	1900 Febr. 13.0	1910.0	39 45 20.2	80 58 25.3

☊	i	φ	μ	Log. a	Autorität
° ′ ″	° ′ ″	° ′ ″	″		
272 5 17.4	5 30 49.0	5 29 57.1	665.23828	0.4846862	W. Luther.
208 16 16.8	11 16 52.0	7 5 15.3	732.9031	0.4566401	Herz.
326 14 27.5	1 9 23.6	2 43 0.0	733.1121	0.456558	Berberich.
208 48 21.5	2 49 38.7	7 52 21.3	1106.6025	0.3373433	Berberich.
62 9 21.1	5 11 20.0	11 37 34.2	651.4943	0.4907307	Tietjen.
162 54 3.3	15 37 35.8	6 2 43.0	802.267	0.4304584	Seydler.
0 20 13.2	25 4 24.8	14 0 8.1	781.8418	0.4379251	W. Luther.
246 45 12.4	4 0 52.7	3 40 49.9	913.94026	0.3927259	Berberich.
334 49 30.7	9 40 10.9	12 28 59.5	968.2498	0.3760128	Berberich.
25 44 44.7	12 56 32.7	7 1 38.3	633.85003	0.498680	P. V. Neugebauer.
156 56 53.5	10 29 21.1	5 38 31.8	650.38006	0.4912263	Knopf.
203 12 39.2	9 59 40.2	4 15 39.6	632.1027	0.4994793	Charlois.
180 9 24.1	6 38 16.5	15 28 16.9	824.9747	0.4223773	Knopf.
28 28 40.6	4 32 3.2	6 58 7.6	1091.0836	0.3414323	Schwarz.
14 21 30.2	9 30 41.9	4 40 24.1	780.0705	0.4385818	Laves.
183 38 34.4	13 17 58.1	3 43 37.0	683.2594	0.4769473	Berberich.
35 32 38.3	3 40 9.7	7 18 8.3	646.6326	0.4928994	Berberich.
207 43 26.2	14 15 2.4	11 52 56.0	838.8243	0.4175571	Stechert.
88 37 4.1	10 42 43.7	6 20 43.1	635.21397	0.4980577	Ernst.
168 3 52.2	6 17 53.3	7 7 16.5	554.7196	0.5372887	v. d. Groeben.
96 28 8.3	3 38 28.6	5 9 55.5	996.7823	0.3676042	Riem.
38 44 43.0	7 44 4.6	12 14 5.8	869.5200	0.4071513	Berberich.
217 47 31.0	1 16 53.0	4 21 32.2	722.5549	0.4607572	v. d. Groeben.
50 12 15.6	10 26 47.1	7 44 47.5	757.7014	0.4470056	Cerulli.
335 26 56.8	25 40 50.5	15 20 26.1	941.9275	0.3839928	Berberich.
236 19 21.7	13 21 1.2	9 1 20.5	755.6505	0.4477904	Berberich.
74 11 19.8	6 1 26.2	5 46 49.5	767.3626	0.4433373	v. d. Groeben.
121 47 54.0	2 25 39.9	7 45 32.6	652.37206	0.4903408	Berberich.
157 37 9.8	5 25 49.2	12 18 39.7	838.9442	0.4175157	Berberich.
254 36 6.6	2 21 43.5	8 37 49.0	1088.4796	0.3421242	Berberich.
337 6 44.8	3 34 52.4	5 47 42.9	679.1966	0.4786741	Knopf.
37 51 15.8	4 28 30.9	1 46 56.3	767.2554	0.4433777	Charlois.
159 7 3.3	20 24 0.8	9 19 0.4	955.4037	0.379880	Lange.
93 45 36.1	3 40 53.3	7 7 6.3	669.09610	0.4830121	Berberich.
134 55 18.6	4 44 44.3	9 18 0.2	769.93398	0.4423688	Lange.
211 37 31.5	21 35 38.5	4 3 48.4	645.8425	0.4932533	Hackenberg.
233 17 5.0	1 8 0.1	5 18 42.5	724.6235	0.4599295	Berberich.
62 12 33.0	7 49 42.6	7 46 31.2	776.8661	0.4397736	Berberich.
75 39 8.5	2 22 35.6	4 43 14.2	403.1860	0.629667	Bidschof.
11 25 17.4	7 27 30.5	6 19 13.9	703.8816	0.4683380	Berberich.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
281 Lucretia . .	März 30	14.1	13.6	11.5	1888 Nov. 2.5	1910.0	353° 48′ 12.3″	14° 13′ 40.9″
282 Clorinde . .	—	—	13.3	10.8	1905 Aug. 26.0	1910.0	277 9 37.1	294 43 20.3
283 Emma	April 15	12.4	11.8	7.8	1901 Mai 19.0	1910.0	249 24 18.8	49 52 23.4
284 Amalia . . .	Jan. 2	14.1	12.9	10.4	1905 Dez. 24.0	1910.0	168 23 3.0	55 42 58.7
285 Regina . . .	—	—	14.9	10.9	1889 Aug. 19.5	1910.0	357 36 27.2	12 28 58.7
286 Ielca	Aug. 9	13.2	13.2	9.0	1905 Juni 7.0	1910.0	211 56 51.1	243 11 59.6
287 Nephthys . .	März 22	10.7	10.7	8.2	1899 April 19.0	1910.0	311 52 37.9	117 32 38.4
288 Glauke . . .	Okt. 27	13.5	12.5	9.1	1906 Okt. 20.0	1910.0	194 21 2.0	80 10 10.1
289 Nenetta . . .	Mai 16	13.0	12.5	8.8	1905 März 19.0	1910.0	159 11 55.4	185 18 51.9
290 Bruna	Sept. 22	14.3	13.9	11.5	1890 Mai 7.5	1910.0	56 49 22.1	103 32 41.3
291 Alice	Jan. 9	13.0	13.6	11.4	1905 Dez. 24.0	1910.0	337 18 6.1	329 28 13.1
292 Ludovica . .	April 17	12.5	12.5	9.5	1903 Sept. 6.5	1910.0	3 3 9.9	287 29 17.0
293 Brasilia . . .	Sept. 27	13.4	12.9	9.2	1890 Juni 17.5	1910.0	92 28 41.4	82 22 24.6
294 Felicia . . .	Mai 13	13.9	14.3	10.2	1901 Aug. 7.0	1910.0	353 2 17.9	179 28 13.6
295 Theresia . .	Jan. 18	12.8	13.5	10.0	1900 Dez. 10.0	1910.0	8 35 38.2	143 48 50.9
296 Phaëtusa . .	Mai 13	13.9	13.3	11.1	1890 Aug. 22.0	1910.0	330 33 11.7	250 4 4.6
297 Caecilia . . .	Mai 23	13.0	13.3	9.1	1905 März 19.0	1910.0	223 21 19.1	346 29 40.6
298 Baptistina .	Mai 16	13.6	13.5	11.3	1906 Mai 13.0	1910.0	83 33 27.7	132 43 13.3
299 Thora	—	—	14.5	11.7	1903 Jan. 19.5	1910.0	83 26 9.5	147 35 9.9
300 Geraldina . .	Juni 13	12.3	12.5	8.2	1895 Juli 10.0	1910.0	336 44 54.3	283 3 2.7
301 Bavaria . . .	März 30	12.6	12.7	9.3	1903 Okt. 16.0	1910.0	95 17 5.1	121 19 7.3
302 Clarissa . . .	—	—	13.9	11.2	1901 Sept. 16.0	1910.0	290 56 54.8	53 3 25.3
303 Josephina . .	Dez. 31	11.4	12.0	7.9	1905 Sept. 15.5	1910.0	311 58 32.4	72 2 38.4
304 Olga	März 4	13.4	12.4	9.7	1904 Nov. 19.0	1900.0	76 58 2.9	169 50 50.7
305 Gordonia . .	Dez. 42	11.2	12.5	8.4	1905 Okt. 5.0	1910.0	281 49 57.0	250 36 56.1
306 Unitas . . .	Mai 5	10.5	10.7	8.2	1902 März 15.5	1910.0	240 21 9.1	165 31 57.6
307 Nike	März 5	13.2	13.1	9.4	1891 März 8.5	1910.0	74 37 11.8	320 29 5.7
308 Polyxo . . .	Aug. 23	10.8	11.0	7.6	1902 Nov. 10.0	1910.0	97 52 8.3	108 53 30.4
309 Fraternitas .	Dez. 29	13.0	12.7	9.5	1891 Mai 11.5	1910.0	239 5 58.0	332 8 15.9
310 Margarita . .	Sept. 26	14.1	13.5	10.1	1891 Juni 17.5	1910.0	48 49 25.4	320 41 8.3
311 Claudia . . .	Juli 5	13.0	13.0	9.3	1902 Okt. 1.0	1900.0	213 27 20.4	70 18 32.1
312 Pierretta . .	Dez. 19	12.9	12.5	9.0	1901 Nov. 15.0	1910.0	149 15 57.6	256 32 46.2
313 Chaldaea . .	Okt. 16	10.4	10.3	7.7	1906 Okt. 20.0	1910.0	272 0 32.8	313 53 31.3
314 Rosalia . . .	April 23	14.7	14.0	9.9	1906 April 23.0	1910.0	226 54 24.0	185 13 26.0
315 Constantia .	—	—	14.0	11.8	1891 Sept. 4.5	1910.0	9 27 44.6	171 22 42.4
316 Goberta . . .	Mai 3	13.9	13.3	9.1	1893 Jan. 0.0	1910.0	11 29 4.9	307 29 39.4
317 Roxane . . .	—	—	12.2	9.8	1904 März 24.0	1910.0	223 53 21.1	185 10 51.7
318 Magdalena .	März 14	13.3	13.2	9.0	1903 Sept. 26.0	1910.0	294 49 55.5	273 41 45.9
319 Leona	Febr. 18	14.3	14.2	9.7	1906 Febr. 22.0	1910.0	83 18 24.7	216 19 52.6
320 Katharina . .	Juli 25	13.8	14.2	10.3	1891 Dez. 2.5	1910.0	23 36 28.6	142 54 14.8

☊	i	φ	μ	Log. a	Autorität
31° 18′ 1.0″	5° 19′ 37.6″	7° 34′ 24.3″	1098.″5312	0.3394628	Berberich.
144 47 14.0	9 1 23.8	4 40 42.6	992.0943	0.3689684	Berberich.
305 51 15.2	8 2 29.8	8 46 12.1	668.5906	0.483231	Berberich.
234 2 0.7	8 4 14.3	12 51 34.8	979.7243	0.3726018	Berberich.
312 19 2.3	17 16 57.9	11 55 35.4	661.4827	0.4863254	Charlois.
149 38 59.4	17 53 34.1	0 45 31.4	620.6276	0.5047837	Berberich.
142 13 54.2	10 1 20.1	1 19 35.4	982.6631	0.371735	Cerulli.
121 5 26.3	4 19 56.6	11 54 26.6	774.5157	0.4406509	R. Luther.
182 37 53.7	6 39 27.8	11 47 26.3	728.2012	0.4585035	Berberich.
10 35 19.4	22 13 28.1	15 4 22.7	995.1925	0.368066	S. Oppenheim.
161 7 22.5	1 50 32.2	5 19 14.8	1071.1737	0.3467645	Berberich.
43 11 16.0	14 52 8.2	1 41 17.2	880.6967	0.4034534	Berberich.
62 20 54.1	15 45 20.9	6 48 2.9	730.8370	0.4574574	Charlois.
137 3 38.4	6 14 57.7	14 21 59.6	638.4006	0.4966088	P. V. Neugebauer.
277 34 14.1	2 40 23.3	9 49 31.5	758.6107	0.4466584	Berberich.
121 1 53.2	1 44 47.3	9 6 25.9	1068.122	0.3475906	Coniel.
333 36 3.4	7 34 48.6	7 58 42.7	629.5470	0.5006523	Berberich.
8 7 5.8	6 17 37.4	5 28 22.7	1041.4193	0.3549207	Berberich.
242 2 9.3	1 35 16.8	3 29 25.0	935.125	0.386091	Berberich.
42 21 30.3	0 47 5.4	2 26 41.4	617.2655	0.5063564	Rodin.
142 45 15.3	4 52 38.1	3 42 13.9	787.7302	0.4357527	Berberich.
7 53 21.9	3 26 4.1	6 22 53.8	950.1028	0.3814907	Berberich.
345 21 58.2	6 54 58.7	3 59 39.7	644.2607	0.4939632	Millosevich.
158 45 56.5	15 47 21.3	12 50 6.8	952.6642	0.3807112	Berberich.
211 11 17.9	4 25 2.2	11 33 54.0	654.8993	0.4892213	Berberich.
141 43 35.3	7 15 13.9	8 40 35.6	980.0925	0.372493	Millosevich.
101 43 34.0	6 6 42.4	8 16 29.7	715.9363	0.4634215	Knopf.
182 8 53.0	4 19 54.1	2 13 1.3	778.7887	0.4390579	Berberich.
358 7 59.8	3 56 18.3	5 1 56.0	831.679	0.420034	Berberich.
230 43 26.5	3 5 55.3	6 31 55.2	775.6563	0.440225	Berberich.
81 10 21.7	3 15 42.8	0 49 49.8	720.5324	0.461569	Berberich.
7 40 39.7	9 5 3.2	9 13 39.5	765.2695	0.4441281	P. V. Neugebauer.
176 40 23.5	11 36 14.2	10 27 16.0	969.4022	0.3756684	Berberich.
171 18 21.3	12 32 26.7	10 27 49.4	634.9619	0.4981726	Berberich.
161 22 12.5	2 24 30.8	9 40 17.9	1057.2646	0.3505486	Bohlin.
124 39 7.9	2 18 33.4	7 57 58.6	627.7382	0.501485	Berberich.
150 50 32.5	1 45 18.0	4 50 38.8	1025.9378	0.3592571	Berberich.
162 49 46.5	10 33 29.9	3 36 17.5	616.1012	0.506903	Mader.
189 5 22.4	10 44 15.4	12 15 56.9	563.9420	0.5325148	Berberich.
221 12 36.2	9 19 16.0	6 41 30.5	678.726	0.478875	Berberich.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
							° ′ ″	° ′ ″
321 Florentina . .	Nov. 25	12.9	13.2	9.5	1903 Febr. 18.0	1910.0	72 54 39.7	34 0 40.1
322 Phaco	—	—	12.3	8.8	1905 Nov. 14.0	1910.0	38 46 38.3	111 32 54.5
323 Brucia	—	—	13.0	11.0	1892 Jan. 1.5	1891.0	43 0 42	292 17 48
324 Bamberga . .	April 3	11.4	9.9	6.6	1906 April 3.0	1910.0	195 13 6.8	40 19 30.5
325 Heidelberga .	Aug. 8	12.5	12.4	8.1	1906 Aug. 1.0	1910.0	270 22 12.3	74 39 7.7
326 Tamara	März 25	11.4	11.1	8.7	1892 März 20.0	1910.0	298 49 14.0	236 57 34.2
327 Columbia . . .	April 10	13.0	13.0	9.5	1905 Febr. 7.0	1910.0	181 23 55.4	300 41 58.1
328 Gudrun	Okt. 22	11.9	12.3	8.2	1906 Okt. 20.0	1910.0	309 12 45.4	102 25 47.4
329 Svea	—	—	12.1	9.3	1901 Aug. 27.0	1910.0	120 9 24.9	38 30 56.3
330 Adalberta . .	—	—	13.5	11.7	1892 März 20.5	1892.0	181 3 42	— — —
331 Etheridgea . .	—	—	12.5	8.5	1902 April 24.0	1910.0	187 21 0.8	334 52 27.6
332 Siri	März 27	12.9	12.6	9.1	1906 März 14.0	1910.0	223 56 59.9	293 37 55.7
333 Badenia . . .	März 3	13.4	12.7	8.6	1907 April 18.0	1910.0	215 17 59.6	14 14 18.9
334 Chicago	Juni 15	12.0	12.0	6.8	1906 Juni 2.0	1910.0	249 23 32.5	240 23 0.0
335 Roberta	Jan. 25	12.5	11.6	8.8	1906 Febr. 2.0	1910.0	205 28 47.7	140 50 43.9
336 Lacadiera . . .	Dez. 2	12.4	11.8	9.6	1902 Juni 23.0	1910.0	49 57 10.9	28 49 41.1
337 Devosa	Juli 13	12.1	11.4	8.8	1901 Jan. 19.0	1910.0	27 7 6.0	95 40 16.9
338 Budrosa . . .	Juli 10	12.2	12.1	8.4	1899 Jan. 9.0	1910.0	72 15 37.1	106 31 3.0
339 Dorothea . . .	April 17	13.0	12.8	8.8	1906 April 23.0	1910.0	246 3 47.7	155 59 18.6
340 Eduarda . . .	Nov. 14	12.2	12.9	9.5	1906 Nov. 9.0	1910.0	346 36 56.4	39 58 16.1
341 California . . .	—	—	13.1	11.0	1904 März 18.5	1910.0	215 46 32.0	291 47 21.2
342 Endymion . .	Febr. 4	12.3	12.8	9.8	1906 Febr. 2.0	1910.0	33 2 34.6	221 45 48.4
343 Ostara	Juni 12	14.4	13.5	10.9	1905 März 19.0	1910.0	114 34 30.4	7 1 43.3
344 Desiderata . .	—	—	11.7	8.5	1905 Dez. 24.0	1910.0	133 19 49.5	233 45 48.3
345 Tercidina . . .	Okt. 10	11.1	11.2	8.8	1905 Juni 7.0	1905.0	165 57 30.8	228 48 42.9
346 Hermentaria .	Nov. 18	11.0	11.5	8.0	1899 März 10.0	1910.0	156 0 38.3	287 6 50.9
347 Pariana	—	—	12.0	8.8	1904 Okt. 10.5	1900.0	202 32 56.9	83 31 45.5
348 May	Juli 29	13.2	12.9	9.1	1895 Mai 10.0	1910.0	143 12 22.8	4 58 1.5
349 Dembowska .	Aug. 25	9.4	9.8	6.0	1896 Aug. 12.0	1900.0	319 16 56.2	340 29 52.9
350 Ornamenta . .	Mai 20	13.4	12.7	8.6	1906 April 23.0	1910.0	161 37 22.2	331 54 26.3
351 Yrsa	—	—	12.2	8.8	1905 Okt. 5.0	1910.0	251 38 19.2	27 39 48.7
352 Gisela	Jan. 20	12.0	12.1	10.0	1904 Juni 12.0	1910.0	255 25 57.5	142 27 24.3
353 Ruperto-Carola	—	—	14.2	10.9	1893 Febr. 22.5	1910.0	44 0 13.0	317 41 4.5
354 Eleonora . . .	Dez. 44	9.5	10.0	6.5	1901 Dez. 5.0	1910.0	303 30 35.7	3 34 23.7
355 Gabriella . . .	Mai 6	13.5	13.1	10.1	1905 Jan. 2.5	1910.0	12 25 36.0	94 32 55.4
356 Liguria	—	—	11.9	8.5	1905 Sept. 15.0	1910.0	312 34 18.4	74 33 2.2
357 Ninina	Juli 1	12.2	12.2	8.0	1893 Febr. 15.5	1910.0	138 27 1.7	231 52 6.2
358 Apollonia . . .	Dez. 22	11.7	12.5	8.8	1893 März 10.5	1910.0	86 52 43.5	248 18 56.9
359 Georgia	Febr. 7	13.0	12.3	8.9	1902 Mai 2.5	1910.0	203 0 32.1	336 37 38.1
360 Carlova	Sept. 9	11.5	11.9	8.0	1906 Sept. 10.0	1910.0	302 47 25.6	286 23 10.5

☊	i	φ	μ	Log. a	Autorität
° ′ ″	° ′ ″	° ′ ″	″		
40 47 5.0	2 36 56.6	2 39 3.1	723.6554	0.4603165	Berberich.
253 56 18.3	7 59 8.1	14 15 14.3	763.9060	0.4446445	Berberich.
97 2 30	19 20 54	15 57 36	1119.60	0.333960	Berberich.
329 8 36.3	11 18 40.9	19 47 42.6	807.8079	0.4284657	Berberich.
345 21 18.6	8 33 40.7	9 8 49.5	616.9272	0.5065151	Berberich.
32 9 9.7	23 47 22.4	10 48 17.5	1005.7638	0.365007	Bidschof.
355 39 44.3	7 9 11.2	3 41 18.3	766.8777	0.4435203	Berberich.
353 15 29.5	16 7 1.7	7 2 42.8	649.8767	0.4914504	Berberich.
178 28 13.5	16 0 36.7	1 35 42.6	912.1349	0.3932983	Pannekoek.
358 46 36	19 58 36	— — —	1174.9	0.32000	Berberich.
22 58 56.5	6 5 3.5	5 47 56.8	674.8516	0.4805321	Berberich.
32 3 7.2	2 52 35.7	5 10 38.7	768.7492	0.4428147	Berberich.
355 22 47.1	3 50 23.7	10 5 3.7	644.6123	0.4938053	Berberich.
134 21 12.5	4 37 49.4	0 57 29.2	458.6320	0.5923615	Berberich.
147 55 31.6	5 5 49.9	10 22 10.8	912.6621	0.3931311	Berberich.
235 1 13.3	5 38 30.7	5 28 48.1	1049.8478	0.3525869	Berberich.
355 41 19.0	7 51 56.4	7 57 52.0	964.4421	0.3771536	Coniel.
288 39 56.0	6 2 41.2	1 12 38.1	713.531	0.464396	Coniel.
174 26 7.4	9 53 59.7	5 49 6.3	679.2158	0.4786658	Berberich.
27 35 29.8	4 42 11.5	6 46 57.8	779.9016	0.4386445	Berberich.
29 8 25.2	5 40 15.8	11 8 58.9	1087.5833	0.3423627	Berberich.
233 0 11.1	7 20 46.9	7 22 8.5	862.0140	0.4096615	Berberich.
38 42 23.1	3 18 16.0	13 23 59.3	947.6428	0.3822413	Berberich.
49 6 39.6	18 38 2.0	18 12 31.9	848.3373	0.4142921	Berberich.
212 27 33.9	9 44 22.1	3 29 38.6	1000.4609	0.3665376	Viaro.
92 32 7.0	8 45 21.1	5 47 46.6	758.53251	0.446688	Ehrenfeucht.
85 51 12.2	11 41 39.0	9 27 2.7	839.30107	0.4173926	Boccardi.
90 45 49.6	9 45 30.5	3 49 50.1	693.6375	0.472584	P. V. Neugebauer.
33 5 9.2	8 17 20.9	5 8 39.7	709.2917	0.466122	P. V. Neugebauer.
90 39 26.9	24 44 33.9	8 45 23.0	643.2312	0.4944263	Berberich.
99 41 27.0	9 13 47.9	8 53 31.8	771.5837	0.4417490	Berberich.
247 18 51.6	3 22 0.5	8 36 26.8	1091.9690	0.3411975	Berberich.
103 23 14.9	5 34 36.4	19 15 26.7	787.080	0.435992	Berberich.
140 49 23.3	18 22 24.1	6 35 44.4	754.8010	0.4481160	Ciscato.
352 19 52.4	4 21 6.4	6 12 55.9	877.280	0.404580	Berberich.
356 16 38.1	8 16 8.5	14 2 3.2	776.2328	0.4400097	Berberich.
138 23 56.3	14 5 28.9	1 31 16.0	632.836	0.499142	Coniel.
173 8 14.8	3 31 44.7	8 26 24.1	725.563	0.459554	Coniel.
6 41 13.1	6 48 31.7	8 58 30.9	787.647	0.435783	Berberich.
133 23 24.8	11 39 51.8	10 16 53.6	682.6786	0.4771935	Berberich.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M			ω		
							°	′	″	°	′	″
361 Bononia . .	Okt. 24	12.7	13.3	8.0	1906 Okt. 20.0	1910.0	315	0	55.4	75	44	20.7
362 Havnia . . .	Mai 20	11.3	11.1	8.0	1905 Febr. 7.0	1910.0	72	40	34.9	29	11	6.7
363 Padua . . .	Jan. 2	11.7	11.6	8.2	1902 Febr. 23.0	1910.0	150	10	39.9	239	18	1.4
364 Isara	Febr. 10	11.5	11.7	9.5	1906 Febr. 2.0	1910.0	64	52	29.0	311	1	48.7
365 Corduba . .	—	—	12.2	8.7	1904 Juli 22.0	1910.0	286	5	51.5	209	40	43.5
366 Vincentina .	Sept. 11	12.1	12.3	8.2	1904 März 24.0	1910.0	241	10	18.0	314	58	42.8
367 Amicitia . .	April 16	12.2	12.5	10.3	1897 Aug. 27.0	1910.0	198	37	34.8	53	16	25.8
368 Haidea . . .	—	—	13.5	9.5	1893 Juli 17.5	1910.0	317	18	49.4	85	6	56.3
369 Aëria	Juni 25	12.6	12.9	9.5	1906 Juli 12.0	1910.0	287	6	32.8	266	17	7.5
370 Modestia . .	Febr. 19	13.3	12.8	10.4	1906 Febr. 2.0	1910.0	147	59	56.6	66	8	35.4
371 Bohemia . .	Mai 17	11.4	11.8	8.4	1903 Nov. 5.0	1910.0	134	40	27.2	338	44	41.7
372 Palma . . .	—	—	10.5	6.4	1905 Dez. 4.0	1910.0	2	21	33.6	113	11	50.6
373 Melusina . .	—	—	12.8	8.7	1905 Dez. 24.0	1910.0	86	27	28.9	348	2	21.7
374 Burgundia .	Juni 22	11.2	11.7	8.2	1906 Juni 2.0	1910.0	20	43	28.8	22	6	54.0
375 Ursula . . .	—	—	11.0	6.9	1901 Jan. 19.0	1910.0	155	15	7.8	344	31	25.5
376 Geometria .	April 1	11.1	11.8	9.4	1904 Nov. 19.0	1910.0	171	38	36.4	314	16	28.2
377 Campania .	Sept. 10	11.2	11.5	8.2	1893 Okt. 7.5	1910.0	338	6	43.1	192	39	34.1
378 Holmia . . .	Aug. 1	12.3	12.6	9.1	1906 Aug. 21.0	1910.0	301	48	59.4	153	47	51.8
379 Huenna . . .	März 3	13.5	12.6	8.5	1901 April 9.0	1910.0	210	5	22.9	177	18	16.1
380 Fiducia . . .	Dez. 30	12.9	12.6	9.3	1894 Jan. 11.0	1910.0	129	58	51.0	237	3	32.6
381 Myrrha . . .	März 2	12.5	12.4	8.1	1906 März 14.0	1910.0	266	28	42.8	142	59	18.2
382 Dodona . . .	Mai 17	11.2	12.1	8.1	1906 Mai 13.0	1910.0	9	20	17.0	267	5	53.6
383 Janina . . .	April 5	14.0	13.3	9.2	1906 April 3.0	1910.0	134	23	47.3	313	41	41.4
384 Burdigala . .	—	—	11.7	8.5	1899 April 9.5	1910.0	119	46	59.6	30	33	43.4
385 Ilmatar . . .	Okt. 12	10.9	10.3	6.7	1904 Mai 3.0	1910.0	38	31	8.7	184	18	24.2
386 Siegena . . .	Aug. 19	9.9	10.5	6.8	1906 Aug. 21.0	1910.0	317	54	55.1	217	39	48.2
387 Aquitania .	Dez. 39	10.9	9.8	6.4	1895 Juli 3.5	1910.0	353	6	10.2	153	33	34.9
388 Charybdis .	Juli 19	11.4	11.7	7.8	1906 Juli 12.0	1910.0	338	15	19.8	322	41	28.4
389 Industria . .	—	—	11.1	8.0	1899 Juni 18.0	1910.0	63	27	27.4	262	50	16.2
390 Alma	—	—	13.5	10.0	1899 Mai 17.0	1910.0	88	15	19.6	188	31	9.3
391 Ingeborg . .	Jan. 11	13.8	13.2	10.8	1906 Jan. 13.0	1910.0	82	56	37.0	145	9	23.8
392 Wilhelmina .	—	—	12.2	8.3	1894 Nov. 4.5	1910.0	38	39	10.1	141	27	52.4
393 Lampetia . .	Febr. 9	12.4	11.0	7.6	1904 Dez. 9.0	1910.0	130	40	16.4	86	49	15.1
394 Arduina . .	März 25	14.0	13.0	9.6	1894 Nov. 23.5	1910.0	55	25	12.3	265	38	37.7
395 Delia	April 13	12.7	13.0	9.5	1894 Dez. 3.5	1910.0	136	43	41.3	20	38	45.7
396 Aeolia . . .	—	—	13.2	9.7	1894 Dez. 2.5	1910.0	156	42	32.8	18	37	12.4
397 Vienna . . .	Juli 2	12.0	12.6	9.4	1899 Jan. 9.0	1910.0	34	37	25.4	136	31	45.2
398 [1894 *BN*] .	—	—	12.0	8.1	1895 Jan. 22.5	1895.0	187	25	12	—	—	—
399 Persephone .	März 29	12.6	13.0	9.0	1904 Dez. 29.0	1900.0	290	8	19.9	186	48	8.8
400 [1895 *BU*] .	—	—	14.5	10.4	1895 März 18.5	1910.0	337	44	19.1	229	27	12.8

☊	i	φ	μ	Log. a	Autorität
19° 36′ 14.1″	12° 36′ 57.4″	11° 31′ 54.9″	451.″1434	0.5971280	Berberich.
27 23 27.4	8 4 45.0	2 31 4.1	857.1587	0.4112969	Berberich.
65 8 10.2	5 58 1.3	4 3 32.9	778.9495	0.438998	Antoniazzi.
105 12 52.6	6 0 3.6	8 36 53.9	1072.5804	0.3463845	Berberich.
185 54 15.1	12 43 37.8	8 24 38.7	756.5331	0.4474524	Berberich.
347 59 13.4	10 35 26.9	3 27 2.7	636.2125	0.4976029	Berberich.
83 8 36.6	2 56 49.3	5 24 23.5	1073.2216	0.346211	Berberich.
230 7 47.4	7 48 12.9	11 8 13.1	663.984	0.485231	Berberich.
94 50 31.4	12 43 17.6	5 33 23.3	822.7067	0.4231744	Berberich.
290 58 24.7	7 52 10.5	5 14 50.0	1001.8542	0.3661347	Berberich.
284 12 35.1	7 22 41.2	3 35 44.5	788.3637	0.435520	Mader.
328 25 22.6	23 39 56.7	15 37 36.8	635.9909	0.4977038	Berberich.
4 28 36.5	15 26 46.9	8 33 30.6	645.6953	0.4933193	Berberich.
219 35 36.2	8 57 56.2	4 37 44.9	765.5599	0.4440183	Berberich.
337 27 33.3	15 57 18.0	5 41 17.0	640.8169	0.4955151	Heuer.
302 13 7.9	5 25 21.7	9 54 46.1	1025.0162	0.3595172	Berberich.
210 44 55.0	6 39 37.8	4 26 14.5	804.920	0.429503	Coniel.
233 14 43.6	6 57 56.3	7 20 19.7	766.5723	0.4436357	Berberich.
172 51 58.2	1 36 30.6	11 5 26.6	641.8494	0.4950490	Coniel.
95 22 51.6	6 10 16.7	6 33 30.2	809.782	0.427760	P. V. Neugebauer.
125 23 34.0	12 34 45.8	7 15 16.3	620.6242	0.5047852	Berberich.
315 49 0.2	7 26 3.1	10 9 28.8	645.0171	0.4936236	Berberich.
93 25 31.0	2 39 14.7	10 2 23.8	639.5018	0.4961099	Berberich.
48 21 10.9	5 38 57.3	8 22 34.3	820.6462	0.423900	Kromm.
345 47 13.2	13 41 2.2	7 30 49.9	739.9493	0.4538697	Witt.
167 7 26.1	20 15 35.6	9 34 42.5	719.3456	0.4620460	Berberich.
128 46 8.2	17 57 51.9	13 47 16.3	782.6076	0.4376414	Ogburn.
355 28 53.3	6 28 59.6	3 28 2.8	680.7507	0.4780123	Berberich.
282 46 45.1	8 7 8.8	3 53 14.7	842.4772	0.416299	Peyra.
305 34 11.1	12 8 55.9	7 28 40.3	821.022	0.423768	Coniel.
212 42 11.7	23 2 49.0	18 0 7.6	1004.2640	0.3654391	Berberich.
211 52 31.8	15 42 21.3	10 13 36.9	694.356	0.472283	Berberich.
214 28 57.3	14 54 43.5	19 14 19.0	766.9701	0.4434854	Berberich.
68 21 10.6	6 15 39.4	13 11 32.3	771.095	0.441933	Coniel.
260 2 6.3	3 31 42.0	7 16 9.6	764.391	0.444461	Capon.
251 27 25.2	2 37 50.3	10 18 30.4	782.986	0.437501	Coniel.
228 43 14.7	12 43 55.5	14 23 37.9	829.8698	0.420664	Mader.
284 14 19	20 9 57	— — —	684.68	0.47634	Charlois.
347 10 50.0	13 10 6.5	4 3 55.0	665.8314	0.4844282	Berberich.
328 49 40.9	10 36 55.7	5 15 50.9	641.871	0.495039	Berberich.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
401 Ottilia	—	—	12.6	8.2	1905 Dez. 24.0	1910.0	220° 5′ 45.″6	197° 2′ 51.″2
402 Chloë	—	—	10.7	7.7	1895 März 27.5	1910.0	28 44 8.7	12 26 25.6
403 Cyane . . .	Sept. 28	12.3	12.0	8.5	1905 Juli 17.0	1910.0	153 9 6.5	247 54 30.1
404 Arsinoë . . .	—	—	13.0	10.0	1905 Nov. 14.0	1910.0	214 53 8.0	118 51 5.8
405 Thia	—	—	11.0	8.0	1895 Juli 27.0	1910.0	73 36 35.0	305 12 7.9
406 [1895 *CB*] .	Dez. 37	13.8	13.5	9.8	1905 Aug. 31.5	1905.0	352 15 46.2	34 31 8.3
407 Arachne . .	März 29	12.2	11.9	8.7	1904 Dez. 9.0	1910.0	67 27 29.6	78 13 22.4
408 Fama	Sept. 20	12.8	13.4	9.2	1895 Okt. 15.5	1910.0	354 28 32.9	100 36 33.0
409 Aspasia . . .	Juni 28	10.3	10.7	7.6	1903 Okt. 19.5	1910.0	163 47 0.0	351 8 7.6
410 [1896 *CH*] .	—	—	11.9	8.3	1896 Jan. 8.5	1910.0	245 34 9.5	143 53 16.4
411 [1896 *CJ*] .	—	—	12.5	8.5	1896 Jan. 8.5	1910.0	158 42 57.5	194 6 9.7
412 Elisabetha .	April 7	11.8	12.1	8.5	1904 Dez. 29.0	1910.0	252 59 27.0	92 48 23.5
413 Edburga . .	April 30	13.4	12.2	9.2	1896 Jan. 10.5	1910.0	72 21 21.0	248 52 42.0
414 [1896 *CN*] .	Aug. 18	12.8	13.4	8.6	1898 April 24.0	1910.0	184 57 33.5	299 54 3.1
415 Palatia . . .	April 18	12.6	11.6	8.1	1900 Jan. 0.0	1910.0	351 8 15.5	293 39 15.0
416 Vaticana . .	Aug. 27	10.9	11.5	8.0	1902 Okt. 21.5	1910.0	114 14 16.4	195 25 17.1
417 Suevia . . .	Juli 13	12.8	12.7	9.2	1906 Juli 12.0	1910.0	93 17 23.1	343 21 43.5
418 Alemannia .	—	—	12.6	9.5	1905 Dez. 24.0	1910.0	60 41 21.9	123 1 58.9
419 Aurelia . . .	—	—	11.1	8.0	1905 Nov. 14.0	1910.0	122 33 26.4	39 36 58.0
420 Bertholda . .	März 15	12.2	12.3	7.7	1904 Dez. 29.0	1910.0	359 57 43.4	216 25 36.5
421 Zähringia . .	Febr. 28	14.8	14.2	11.2	1904 Mai 23.0	1900.0	298 7 36.1	205 58 2.6
422 Berolina . .	Okt. 24	12.2	13.4	11.2	1896 Dez. 4.5	1910.0	43 3 30.9	333 4 23.2
423 Diotima . . .	Sept. 22	11.2	11.2	7.2	1906 Sept. 30.0	1910.0	87 12 6.0	193 49 7.3
424 Gratia . . .	—	—	12.8	9.3	1903 Mai 29.0	1910.0	174 2 31.1	329 36 33.8
425 Cornelia . .	—	—	13.1	9.4	1897 Jan. 20.5	1910.0	295 5 56.3	118 48 56.6
426 [1897 *DH*] .	Juli 4	11.6	11.5	7.8	1897 Sept. 30.0	1910.0	172 10 55.2	221 45 45.3
427 [1897 *DJ*] .	April 9	13.2	13.1	9.3	1897 Sept. 2.5	1910.0	26 0 44.7	5 55 16.4
428 Monachia . .	April 6	14.4	13.5	11.1	1900 Aug. 7.5	1910.0	300 39 10.6	13 51 45.2
429 [1897 *DL*] .	—	—	11.5	9.4	1905 Sept. 22.5	1905.0	331 42 21.7	166 36 44.3
430 [1897 *DM*] .	Aug. 27	12.7	13.2	9.6	1898 Jan. 21.5	1910.0	15 12 12.0	174 56 25.2
431 [1897 *DN*] .	Mai 6	12.6	12.6	8.5	1898 Jan. 18.5	1910.0	97 29 58.4	209 23 20.7
432 Pythia . . .	Febr. 21	11.5	11.3	8.7	1906 Febr. 2.0	1910.0	258 54 29.7	172 15 56.3
433 Eros	—	—	9.7	10.6	1905 Aug. 6.0	1910.0	197 55 57.2	177 44 21.4
434 Hungaria . .	Aug. 10	11.3	11.8	10.4	1906 Aug. 21.0	1910.0	22 48 32.4	122 45 18.5
435 Ella	Nov. 18	11.5	12.1	9.3	1906 Nov. 6.0	1910.0	44 18 22.6	331 7 16.6
436 Patricia . . .	Jan. 18	12.5	12.9	8.7	1906 Febr. 2.0	1910.0	90 41 57.0	23 21 16.1
437 [1898 *DP*] .	Dez. 8	13.0	12.7	10.1	1906 Nov. 9.0	1910.0	77 29 16.7	59 5 58.1
438 [1898 *DU*] .	Okt. 23	13.5	12.3	9.0	1902 Nov. 23.5	1902.0	149 12 37.6	200 28 16.6
439 Ohio	Febr. 15	12.7	12.7	8.6	1900 Jan. 0.0	1910.0	30 57 55.5	231 8 28.0
440 Theodora . .	Jan. 1	11.9	13.1	10.9	1898 Okt. 18.5	1910.0	284 37 41.8	176 6 6.2

☊	i	φ	μ	Log. a	Autorität
38° 59′ 4″.6	6° 5′ 47″.1	2° 40′ 12″.6	583″.3070	0.5227396	Berberich.
129 42 3.3	11 50 5.2	6 24 49.0	868.759	0.407405	Coniel.
245 49 39.0	9 8 8.8	5 49 4.3	753.7444	0.4485217	Berberich.
92 48 21.3	14 3 57.8	11 41 13.6	849.07766	0.4140395	Berberich.
256 8 35.2	11 48 17.6	14 32 24.7	856.814	0.411412	Coniel.
317 4 34.1	4 14 54.6	10 10 53.0	710.727	0.465535	Berberich.
295 5 50.7	7 31 34.9	4 1 59.5	834.7038	0.4189828	Berberich.
299 37 51.7	9 6 14.2	7 54 31.1	627.210	0.501729	Berberich.
242 44 32.8	11 12 44.4	3 53 20.9	857.3857	0.411221	Kromm.
96 32 51.1	9 32 55.1	12 30 4.9	746.590	0.451283	Berberich.
108 16 2.2	19 26 25.0	13 36 34.4	720.585	0.461548	Berberich.
106 41 22.8	13 45 36.1	2 27 5.2	772.8598	0.4412713	Berberich.
105 12 38.6	18 52 24.9	19 43 23.0	856.555	0.411501	Berberich.
113 29 44.5	9 38 22.8	5 29 23.8	540.7539	0.544671	Berberich.
128 20 25.3	8 5 38.4	17 36 27.4	762.3720	0.445227	Coddington.
58 38 36.6	12 55 45.4	12 35 49.6	761.6611	0.4454966	Boccardi.
199 57 17.3	6 35 42.7	8 3 59.2	758.7057	0.4466221	Berberich.
249 11 17.0	6 49 0.3	6 49 13.7	850.3282	0.4136133	Berberich.
230 20 26.9	3 57 37.5	14 44 44.3	848.6381	0.4141894	Berberich.
246 23 45.1	6 37 27.3	2 31 41.4	563.6312	0.5326744	Berberich.
187 54 59.8	7 51 37.3	17 0 44.2	877.5633	0.4044855	Berberich.
9 0 42.8	5 0 17.4	12 22 39.2	1066.4426	0.348046	Witt.
70 19 25.1	11 15 54.4	1 57 21.5	660.6148	0.4867056	Berberich.
99 33 41.2	8 12 20.8	6 22 47.8	768.5707	0.442882	P. V. Neugebauer.
61 44 9.2	4 4 24.3	3 26 47.8	724.2913	0.460062	Pourteau.
312 6 53.5	19 37 42.9	5 53 54.4	722.4562	0.460797	Pourteau.
298 57 20.1	5 8 14.6	6 53 23.4	692.493	0.473061	Coniel.
17 29 37.6	6 13 32.7	10 15 44.4	1009.005	0.364076	Villiger.
220 11 59.1	9 30 57.1	7 5 38.8	842.413	0.416321	Berberich.
250 0 10.6	14 33 20.9	14 55 51.9	743.475	0.452494	Berberich.
117 14 29.4	1 48 58.3	9 43 27.5	642.4286	0.494788	Pokrowsky.
88 37 32.4	12 7 37.7	8 24 45.4	973.3410	0.3744944	Berberich.
303 37 36.8	10 49 39.0	12 52 54.1	2014.9849	0.1638232	Witt.
174 45 32.2	22 29 53.6	4 14 37.1	1308.8789	0.2887381	Berberich.
23 9 37.1	1 50 18.7	8 53 54.8	925.2776	0.3891563	Berberich.
352 3 5.4	18 36 7.8	4 45 46.3	622.0996	0.5040978	Berberich.
263 43 57.1	7 22 52.2	14 16 23.4	962.0481	0.3778732	Berberich.
49 20 44.7	7 14 48.7	2 57 7.6	869.450	0.407174	P. V. Neugebauer.
202 36 22.0	19 7 7.5	4 11 33.9	640.6167	0.495606	Coddington.
292 31 23.3	1 35 48.6	6 11 19.0	1079.355	0.344562	Coddington.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M °	′	″	ω °	′	″
441 [1898 *ED*] . .	Juli 15	12.9	12.5	9.0	1898 Dez. 14.0	1910.0	345	51	15.9	197	38	38.4
442 Eichsfeldia . .	Jan. 20	12.1	12.1	9.6	1904 Sept. 20.0	1900.0	137	33	29.2	82	6	9.8
443 Photographica	Mai 5	12.2	12.5	10.2	1904 Okt. 30.0	1900.0	251	50	36.2	347	14	4.9
444 Gyptis	Dez. 40	11.5	11.2	7.7	1899 Mai 30.5	1910.0	229	43	57.5	151	34	11.6
445 Edna	—	—	12.6	8.4	1900 Jan. 0.0	1910.0	19	1	55.0	77	37	38.4
446 Aeternitas . .	Febr. 14	12.1	11.4	7.9	1899 Okt. 30.0	1910.0	55	26	20.6	277	33	39.1
447 Valentine . .	Jan. 7	12.0	12.1	8.2	1904 Okt. 10.0	1910.0	345	6	17.5	316	50	33.3
448 Natalie	—	—	13.7	9.3	1899 Nov. 29.5	1910.0	47	48	18.5	292	17	12.2
449 Hamburga . .	Juli 9	12.8	12.0	9.0	1901 März 20.0	1910.0	38	7	28.0	44	40	10.3
450 Brigitta . . .	Jan. 10	13.0	12.2	8.3	1899 Nov. 9.5	1910.0	19	17	44.8	358	38	58.0
451 Patientia . .	Febr. 2	10.6	10.7	6.7	1900 Jan. 0.0	1910.0	9	31	9.7	334	51	32.7
452 [1899 *FD*] . .	—	—	16.7	13.1	1899 Dez. 31.0	1910.0	296	42	7.9	46	40	54.3
453 [1900 *FA*] . .	—	—	12.3	10.2	1902 Dez. 20.0	1910.0	243	0	28.6	217	47	49.9
454 Mathesis . . .	Okt. 22	12.2	11.6	8.5	1900 April 28.5	1910.0	352	56	10.1	174	34	18.7
455 Bruchsalia . .	—	—	11.6	8.3	1905 Sept. 15.0	1910.0	6	13	6.0	269	31	14.4
456 Abnoba . . .	Okt. 25	13.7	12.9	9.4	1906 Nov. 9.0	1910.0	154	20	18.2	2	50	8.1
457 Alleghenia . .	Nov. 29	14.3	15.1	11.0	1900 Okt. 28.5	1910.0	351	0	33.8	129	8	9.7
458 Hercynia . .	—	—	13.1	9.1	1900 Okt. 31.0	1910.0	338	37	5.7	272	19	18.5
459 [1900 *FM*] . .	Febr. 24	13.7	13.7	10.5	1900 Okt. 22.5	1910.0	348	14	27.2	17	55	45.7
460 Scania	—	—	13.9	10.5	1900 Okt. 22.5	1910.0	14	38	31.6	163	33	0.4
461 [1900 *FP*] . .	Nov. 24	13.3	14.3	10.1	1900 Okt. 22.5	1910.0	310	1	24.7	301	28	37.0
462 Eriphyla . . .	—	—	13.5	9.7	1902 Jan. 14.0	1910.0	117	17	57.2	251	16	30.3
463 [1900 *FS*] . .	—	—	15.0	11.4	1900 Okt. 31.5	1910.0	19	49	32.2	325	32	26.0
464 [1901 *FV*] . .	Febr. 4	13.0	12.2	8.6	1901 Jan. 9.5	1910.0	92	54	0.7	252	34	33.5
465 [1901 *FW*] . .	—	—	13.5	9.3	1901 Jan. 23.5	1910.0	293	53	59.6	272	32	36.6
466 [1901 *FX*] . .	—	—	11.8	7.3	1901 Jan. 19.5	1910.0	293	29	20.8	261	21	5.5
467 [1901 *FY*] . .	Jan. 14	13.9	14.3	10.5	1901 Febr. 11.5	1910.0	55	52	57.2	91	48	52.6
468 [1901 *FZ*] . .	—	—	13.1	9.0	1901 Febr. 22.5	1910.0	118	51	21.4	331	2	19.6
469 [1901 *GB*] . .	—	—	11.2	6.8	1901 März 26.5	1910.0	336	54	3.9	84	55	55.2
470 Kilia	Okt. 19	12.3	12.4	9.1	1902 Okt. 21.0	1910.0	138	56	9.4	43	50	53.3
471 [1901 *GN*] . .	Juni 20	10.4	10.1	6.2	1901 Mai 18.5	1910.0	235	25	5.6	315	39	14.1
472 Roma	Nov. 27	11.0	11.5	8.5	1902 Nov. 30.0	1910.0	11	2	44.3	288	44	48.4
473 [1901 *GC*] . .	—	—	13.3	9.5	1901 Febr. 13.5	1910.0	95	13	40.1	57	6	40.8
474 [1901 *GD*] . .	—	—	13.0	10.2	1901 März 13.5	1910.0	223	19	18.1	142	45	18.1
475 Ocllo	—	—	13.5	10.2	1901 Sept. 30.5	1910.0	357	54	53	301	38	8
476 Hedwig . . .	Nov. 16	11.6	11.3	8.1	1902 Dez. 10.0	1910.0	156	21	50.5	356	54	43.2
477 Italia	—	—	13.6	11.0	1901 Sept. 1.0	1910.0	7	10	59.1	318	0	57.1
478 Tergeste . . .	Sept. 8	11.2	10.9	7.0	1904 Mai 5.0	1910.0	81	38	55.7	240	34	25.2
479 [1901 *HJ*] . .	—	—	13.0	9.6	1901 Nov. 15.5	1910.0	2	12	53.0	269	14	42.9
480 [1901 *GL*] . .	Aug. 12	11.7	11.5	8.3	1901 Mai 21.5	1910.0	179	11	11.8	196	39	14.2

☊	i	φ	μ	Log. a	Autorität
° ' "	° ' "	° ' "	"		
254 20 3.7	8 7 11.7	4 37 18.6	753.698	0.448538	Coniel.
134 38 45.4	6 3 42.0	4 0 17.7	987.3699	0.3703512	Thraen.
175 0 43.5	4 13 21.5	2 16 53.6	1075.5910	0.3455729	Berberich.
196 21 12.9	10 12 24.0	10 0 34.5	768.83204	0.4427834	Fabry.
293 31 41.4	21 23 34.9	11 57 45.5	624.2829	0.503084	Coddington.
42 40 49.5	10 39 3.8	7 7 3.2	761.5980	0.4455205	Pauly.
72 27 22.7	4 49 6.3	2 40 22.9	686.200	0.475704	Kreutz.
38 52 17.9	12 41 52.5	9 54 2.5	636.068	0.497668	Berberich.
85 58 49.8	3 6 4.6	10 3 32.4	870.9880	0.406664	J. Möller.
15 37 54.5	10 23 9.4	5 21 56.4	677.749	0.479292	Paetsch.
90 3 39.9	15 14 8.1	4 29 58.9	662.7246	0.4857823	Roediger.
92 51 38.8	3 13 15.1	1 13 23.3	736.622	0.455174	Palmer.
11 34 23.4	5 34 28.0	6 14 36.0	1099.965	0.339085	Hessen.
32 41 20.7	6 19 18.7	6 19 30.5	832.9439	0.419594	Milham.
77 27 47.9	12 1 55.1	16 54 25.9	818.7085	0.4245849	Berberich.
229 44 19.0	14 26 8.9	10 26 41.9	763.4835	0.4448046	Berberich.
250 46 42.0	12 52 29.5	10 20 2.3	651.8517	0.490572	Paetsch.
136 4 46.1	12 36 10.3	14 8 5.4	685.852	0.475851	Riem.
29 49 51.8	10 22 44.4	12 19 50.0	832.007	0.419920	Bauschinger.
205 45 2.7	4 35 26.1	5 53 49.8	791.305	0.434442	Bauschinger.
156 40 56.9	1 22 20.6	11 54 22.6	624.571	0.502950	Bauschinger.
105 51 12.7	3 10 28.0	4 54 25.8	729.7361	0.4578938	Berberich.
36 34 17.3	13 29 59.6	12 42 56.7	960.910	0.378216	Berberich.
103 51 32.4	10 51 46.9	14 39 57.7	742.582	0.452841	Berberich.
305 33 19.5	4 37 48.6	13 45 49.7	622.160	0.504070	Bauschinger.
291 52 41.6	19 22 25.5	3 37 51.8	581.9514	0.523414	Winther.
323 56 20.1	6 24 26.3	6 20 17.4	704.103	0.468247	Berberich.
22 26 55.3	0 29 45.3	11 47 14.8	637.306	0.497106	Bauschinger.
88 54 51.9	12 49 6.5	8 23 55.0	583.731	0.522529	Bauschinger.
173 15 58.1	7 13 35.5	5 29 58.5	952.3542	0.380805	Kreutz.
84 46 12.7	15 24 51.8	13 31 48.3	727.070	0.458954	Meurk.
127 11 58.7	15 37 53.9	5 54 15.3	872.686	0.406099	Paetsch.
333 35 9.8	27 46 32.2	14 48 41.2	690.051	0.474084	Berberich.
162 55 11.4	7 32 22.0	8 27 23.1	916.700	0.391853	Berberich.
35 56 16	18 38 14	22 19 31	852.660	0.41282	Kreutz.
286 41 44.8	10 56 39.3	4 16 2.1	823.2035	0.4229996	Strömgren.
11 6 38.0	5 12 26.3	10 56 10.2	955.842	0.379747	Maubant.
234 47 14.1	13 9 38.6	4 58 6.5	677.025	0.4796008	de Mello e Simas.
136 31 40.9	8 39 23.8	12 42 44.4	788.048	0.435636	Bauschinger.
237 12 44.8	21 4 48.4	2 25 49.4	826.814	0.421732	Bauschinger.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
481 [1902 *HP*] .	—	—	11.6	8.2	1902 Febr. 12.5	1910.0	61° 33′ 53.″6	347° 47′ 46.″1
482 Petrina . . .	—	—	12.0	8.1	1902 Mai 7.5	1910.0	288 7 6.3	85 31 11.3
483 Seppina . .	Dez. 22	12.7	12.5	7.9	1902 April 30.5	1910.0	229 13 7.9	136 58 49.2
484 Pittsburghia	März 26	13.2	12.9	9.7	1906 April 3.0	1910.0	235 12 27.0	185 49 40.1
485 Genua . . .	März 6	10.8	11.4	8.0	1904 Okt. 3.5	1904.0	294 18 38.9	268 33 7.0
486 Cremona . .	Aug. 3	13.4	13.5	11.0	1902 Mai 28.5	1910.0	16 33 54.5	125 7 57.5
487 Venetia . .	Juni 16	12.1	11.8	8.6	1902 Aug. 4.5	1910.0	280 8 51.1	278 4 2.7
488 Kreusa . . .	—	—	11.5	7.3	1902 Juni 11.5	1910.0	73 38 29.0	69 57 10.1
489 Comacina .	—	—	12.5	8.3	1902 Sept. 2.5	1910.0	139 29 9.0	28 29 52.4
490 [1902 *JP*] .	Mai 5	12.6	12.0	8.1	1902 Sept. 3.5	1902.0	348 28 27.2	187 46 8.1
491 Carina . . .	Mai 16	12.9	12.5	8.3	1903 Jan. 0.0	1903.0	340 41 39.1	225 2 45.4
492 [1902 *JR*] .	April 18	13.5	13.1	9.0	1902 Sept. 4.0	1910.0	12 56 28.0	287 27 2.1
493 Griseldis . .	—	—	14.5	10.4	1902 Sept. 7.5	1910.0	329 46 50.6	38 26 36.2
494 Virtus . . .	Juli 14	12.0	12.6	8.4	1902 Nov. 27.5	1910.0	143 9 5.4	210 0 9.3
495 [1902 *KG*] .	Dez. 3	11.8	12.5	9.7	1902 Nov. 21.5	1910.0	20 56 40.0	200 0 35.6
496 Gryphia . .	—	—	13.0	11.0	1902 Nov. 21.5	1910.0	331 47 44.7	240 34 28.4
497 [1902 *KJ*] .	Juni 14	13.3	13.5	9.9	1902 Nov. 4.5	1910.0	20 53 34.8	358 54 17.3
498 Tokio . . .	Okt. 8	10.1	11.2	8.1	1904 März 14.0	1900.0	167 52 1.5	237 33 50.8
499 Venusia . .	Juni 14	14.0	13.0	7.7	1903 Jan. 31.5	1910.0	9 23 52.0	195 51 25.8
500 [1903 *LA*] .	Dez. 10	11.7	12.0	8.9	1903 März 4.5	1910.0	99 39 4.6	71 48 18.3
501 [1903 *LB*] .	Sept. 3	12.2	13.0	8.8	1903 Febr. 6.5	1910.0	126 52 43.9	343 52 30.3
502 [1903 *LC*] .	—	—	13.8	11.2	1905 Okt. 5.0	1905.0	228 50 47.7	17 6 46.0
503 Evelyn . . .	Nov. 12	11.7	12.3	9.0	1903 April 25.5	1910.0	33 37 22.7	38 7 0.1
504 Cora	Mai 20	12.7	12.5	9.1	1906 Mai 13.0	1906.0	268 19 32.4	244 37 56.6
505 Cava	Juni 18	13.0	12.0	8.7	1906 Juni 22.0	1906.0	214 31 44.1	333 53 56.6
506 [1903 *LN*] .	Sept. 29	12.3	12.5	8.5	1903 Febr. 20.5	1910.0	46 27 14.1	144 59 20.9
507 Laodica . .	Sept. 16	12.0	12.5	8.3	1903 Febr. 24.5	1910.0	104 44 50.4	94 33 57.4
508 [1903 *LQ*] .	Dez. 14	12.3	12.3	8.1	1903 April 25.5	1910.0	4 34 0.9	161 33 54.7
509 Iolanda . .	—	—	11.5	7.5	1903 Mai 28.5	1910.0	181 23 16.1	185 23 53.3
510 Mabella . .	Jan. 16	14.0	13.0	9.8	1903 Juli 18.5	1910.0	337 43 3.1	88 50 3.1
511 Davida . . .	—	—	9.6	5.4	1903 Aug. 15.5	1910.0	182 38 38.9	329 14 19.3
512 Taurinensis	Mai 19	12.9	12.5	10.5	1903 Juli 16.5	1910.0	310 15 34.2	246 49 13.6
513 [1903 *LY*] .	März 13	12.6	12.3	8.4	1903 Okt. 24.5	1903.0	327 27 39.5	208 58 37.8
514 [1903 *MB*] .	Febr. 22	12.6	12.4	8.4	1903 Aug. 25.5	1903.0	330 41 9.0	102 16 35.8
515 [1903 *ME*] .	—	—	14.0	9.9	1903 Sept. 20.5	1903.0	317 8 30.0	288 43 1.0
516 Amherstia .	März 13	9.5	11.0	7.7	1903 Sept. 26.5	1903.0	129 11 47.9	252 34 50.2
517 [1903 *MH*].	—	—	13.1	9.0	1903 Okt. 25.5	1903.0	339 41 33.4	125 53 34.5
518 [1903 *MO*] .	April 21	13.6	13.4	10.5	1903 Okt. 20.5	1903.0	47 47 29.0	118 29 36.9
519 [1903 *MP*] .	April 13	12.7	12.0	8.5	1903 Okt. 26.5	1903.0	35 32 9.8	301 18 0.1
520 Franziska .	Mai 2	13.1	13.9	10.0	1903 Okt. 27.5	1903.0	355 18 52.9	16 17 50.7

☊	i	φ	μ	Log. a	Autorität
66° 58′ 53″.8	9° 51′ 56″.0	8° 51′ 17″.8	780″.362	0.438474	Osten.
180 20 8.8	14 27 21.8	5 18 49.8	683.838	0.476703	P. V. Neugebauer.
175 44 3.9	18 39 28.5	2 57 13.3	559.620	0.534742	Paetsch.
127 26 45.0	12 29 12.2	3 23 42.7	813.1477	0.4265580	Berberich.
194 17 20.4	13 48 13.0	10 57 57.6	777.060	0.439700	P. V. Neugebauer.
94 11 26.5	11 6 47.3	9 20 22.6	977.329	0.373311	Berberich.
115 8 38.7	10 15 23.2	4 53 56.4	813.1842	0.426545	Millosevich.
87 27 21.4	11 20 19.8	6 41 22.3	636.246	0.497588	Berberich.
167 37 5.1	13 24 57.5	3 47 16.7	634.671	0.498305	Berberich.
179 8 37.0	9 13 11.0	5 7 59.7	627.551	0.501572	Münch.
175 55 28.5	18 56 47.6	3 42 55.3	620.5529	0.504821	Lassen.
47 13 18.7	1 39 33.0	10 34 19.0	649.105	0.491795	Hessen.
358 41 15.8	15 25 42.0	9 17 51.5	641.417	0.495244	Berberich.
39 3 19.7	7 10 8.0	3 47 1.1	688.103	0.474902	P. V. Neugebauer.
186 27 59.0	2 14 13.1	8 28 23.6	910.120	0.393938	P. V. Neugebauer.
204 45 14.2	3 37 6.6	4 15 29.6	1103.453	0.338168	Berberich.
7 1 39.4	4 53 46.0	17 25 44.2	740.971	0.453470	Berberich.
97 53 52.6	9 33 5.2	12 47 51.8	823.2586	0.422980	P. V. Neugebauer.
256 45 22.3	2 0 25.2	13 34 32.1	457.624	0.592999	Berberich.
290 29 11.7	9 47 15.7	8 8 23.0	840.020	0.417144	Berberich.
357 41 28.7	20 55 40.1	8 0 29.9	631.927	0.499560	Berberich.
132 39 9.6	25 3 24.2	10 18 44.2	965.2852	0.376900	Osten.
69 31 24.1	5 3 33.4	10 12 32.5	788.475	0.435479	Liebmann.
105 14 37.0	12 56 52.5	12 29 56.1	789.9212	0.434949	Osten.
91 5 48.4	9 47 31.0	14 7 17.0	805.49685	0.4292952	Osten.
313 36 55.5	16 53 18.3	8 19 48.2	669.497	0.482389	Berberich.
295 14 4.1	9 33 26.6	5 47 47.4	632.696	0.499208	Bauschinger.
45 20 39.5	13 24 2.0	0 40 50.2	631.586	0.499716	Berberich.
218 36 13.9	16 29 21.7	6 37 27.6	669.213	0.482962	Berberich.
203 23 1.5	9 28 57.9	11 31 18.2	831.384	0.420136	Berberich.
108 52 52.4	15 49 27.2	11 6 49.0	631.096	0.499941	Wegener.
107 9 26.7	8 40 0.2	14 23 28.7	1107.602	0.337032	Berberich.
185 43 13.5	9 28 27.3	5 0 12.4	677.958	0.479204	P. V. Neugebauer.
270 27 24.2	3 52 11.0	2 23 38.6	666.273	0.484236	Berberich.
122 2 9.5	2 0 52.7	10 3 36.2	645.556	0.493382	Berberich.
330 10 54.4	12 58 23.9	15 19 53.8	811.502	0.427144	Fontana.
277 38 35.0	3 9 57.4	10 6 5.7	641.8172	0.4950634	A. Kohlschütter.
203 51 34.2	6 37 48.9	12 42 29.2	885.773	0.401789	Berberich.
45 21 43.4	10 53 0.3	10 30 59.2	766.154	0.443793	Berberich.
34 59 54.5	11 0 16.3	6 0 18.2	680.357	0.478180	Götz.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
							° ′ ″	° ′ ″
521 Brixia	Mai 26	13.3	12.1	8.7	1904 Febr. 16.5	1904.0	35 23 16.3	312 19 36.1
522 Helga	—	—	12.6	7.7	1904 Jan. 10.5	1904.0	97 10 24.1	242 23 44.6
523 [1904 *ND*] .	Juli 3	13.6	12.8	9.0	1904 Jan. 27.5	1904.0	27 56 2.5	185 13 30.4
524 [1904 *NN*] .	Sept. 8	12.0	12.4	9.2	1904 März 18.5	1904.0	105 51 23.0	76 40 1.3
525 [1904 *NO*] .	Mai 18	15.3	13.8	9.3	1904 März 18.5	1904.0	69 22 2.8	281 27 13.7
526 [1904 *NQ*] .	Aug. 22	13.8	13.1	9.0	1904 April 17.5	1904.0	46 5 52.9	355 51 59.2
527 [1904 *NR*] .	Dez. 26	13.1	12.5	9.2	1904 März 20.5	1904.0	258 56 2.1	199 40 28.9
528 [1904 *NS*] .	Aug. 19	12.3	12.4	7.8	1904 März 24.5	1904.0	156 3 49.2	337 43 25.2
529 [1904 *NT*] .	Sept. 7	12.8	13.0	9.1	1904 März 24.5	1904.0	138 10 8.7	336 38 24.9
530 [1904 *NV*] .	Nov. 11	12.3	12.4	8.2	1904 April 18.5	1904.0	268 13 53.6	188 19 12.9
531 [1904 *NW*]	Nov. 27	15.1	14.0	10.5	1904 April 12.5	1904.0	329 16 0.7	53 51 44.6
532 Herculina . .	Okt. 24	10.6	9.8	6.3	1904 Mai 5.5	1904.0	18 56 34.1	72 59 32.1
533 [1904 *NZ*] .	Okt. 28	13.8	13.5	9.6	1904 April 19.5	1904.0	335 57 42.3	58 34 56.1
534 [1904 *OA*] .	Okt. 7	12.6	12.8	9.2	1904 Mai 19.5	1904.0	128 10 32.6	344 50 53.8
535 [1904 *OC*] .	Dez. 22	11.7	11.8	8.8	1904 Juni 3.5	1904.0	86 4 14.8	58 52 42.4
536 [1904 *OF*] .	Okt. 29	11.3	11.7	7.0	1904 Mai 12.0	1904.0	254 58 24.4	292 45 3.9
537 [1904 *OG*] .	Dez. 39	14.1	13.1	9.1	1904 Juli 15.5	1904.0	350 27 47.1	181 9 11.5
538 [1904 *OK*] .	—	—	13.2	9.0	1904 Juli 19.5	1904.0	318 36 36.4	222 52 13.1
539 [1904 *OL*] .	Jan. 14	13.1	13.1	9.7	1904 Aug. 5.5	1904.0	325 31 4.8	94 0 31.7
540 [1904 *ON*] .	—	—	12.1	10.0	1904 Aug. 6.5	1904.0	132 29 40.5	334 20 47.5
541 [1904 *OO*] .	—	—	12.9	9.4	1904 Aug. 4.5	1904.0	60 42 30.4	349 26 29.0
542 Susanna . .	Jan. 10	12.8	12.8	9.0	1904 Aug. 16.5	1904.0	345 9 28.2	212 57 39.9
543 [1904 *OT*] .	Jan. 29	12.6	12.7	8.7	1904 Nov. 11.5	1904.0	348 26 5.2	105 6 0.1
544 Jetta	Jan. 5	13.4	12.6	9.5	1904 Nov. 6.5	1904.0	89 4 27.2	338 21 51.6
545 [1904 *OY*] .	—	—	12.2	8.0	1904 Nov. 11.5	1904.0	63 44 44.4	326 46 17.3
546 [1904 *PA*] .	Febr. 28	11.5	12.1	9.0	1904 Nov. 13.5	1904.0	271 50 18.6	103 39 41.1
547 [1904 *PB*] .	Febr. 26	13.4	12.7	9.2	1904 Nov. 17.5	1904.0	11 9 44.8	193 3 16.9
548 [1904 *PC*] .	April 27	14.0	13.2	10.8	1904 Nov. 17.5	1904.0	344 49 18.0	320 53 39.2
549 [1904 *PK*] .	April 27	14.2	13.5	10.2	1904 Dez. 27.5	1904.0	358 10 57.7	153 35 9.0
550 [1904 *PL*] .	Febr. 13	13.0	11.9	8.8	1906 Febr. 22.0	1910.0	202 36 44.3	42 55 16.4
551 [1904 *PM*] .	März 22	13.0	12.8	9.0	1905 Jan. 15.5	1905.0	11 12 30.0	64 3 56.4
552 [1904 *PO*] .	Febr. 13	12.2	12.2	8.0	1905 Jan. 9.5	1905.0	206 12 40.7	329 48 48.4
553 [1904 *PP*] .	Mai 18	14.3	13.7	11.5	1905 Jan. 9.5	1905.0	16 23 30.6	357 50 5.4
554 Peraga . . .	—	—	10.8	8.2	1905 Jan. 12.5	1905.0	44 44 50.5	124 19 15.1
555 [1905 *PT*] .	—	—	13.9	9.7	1905 Jan. 14.5	1905.0	2 59 42.0	350 52 13.1
556 [1905 *PW*]	—	—	12.5	9.7	1905 Jan. 16.5	1905.0	15 36 17.7	175 4 16.5
557 [1905 *PY*] .	—	—	13.7	11.0	1905 Jan. 14.5	1905.0	1 42 52.4	190 1 10.1
558 [1905 *QB*] .	—	—	12.2	8.5	1905 Febr. 9.5	1905.0	41 17 34.4	314 40 6.0
559 [1905 *QD*] .	—	—	12.3	9.0	1905 April 20.5	1905.0	321 9 51.5	125 30 35.7
560 [1905 *QF*] .	—	—	13.4	10.0	1905 März 13.5	1905.0	22 18 46.4	33 12 7.3

☊	*i*	*φ*	*μ*	Log. *a*	Autorität
° ′ ″	° ′ ″	° ′ ″	″		
90 25 31.3	10 29 27.8	16 16 26.7	780.873	0.438284	Millosevich.
119 5 6.1	4 44 36.6	9 7 49.9	512.782	0.560050	Lassen.
262 8 17.0	4 18 47.1	10 8 17.0	694.113	0.472384	Berberich.
327 1 28.2	8 11 43.8	6 24 2.8	825.223	0.422290	Berberich.
125 50 9.0	3 15 7.5	21 46 42.6	581.342	0.523718	P. V. Neugebauer.
137 58 50.1	2 8 49.2	8 11 51.4	642.857	0.494595	Hessen.
120 41 15.5	9 39 58.1	8 38 46.0	787.582	0.435808	P. V. Neugebauer.
51 44 38.6	12 42 49.8	1 8 5.7	566.409	0.531251	Berberich.
65 48 31.8	11 3 39.2	5 45 4.2	676.264	0.479926	P. V. Neugebauer.
130 4 24.8	8 26 3.0	10 27 17.8	611.920	0.508874	P. V. Neugebauer.
197 43 56.8	34 33 3.3	10 54 44.6	756.474	0.447475	Berberich.
108 14 53.3	16 22 37.7	10 6 31.8	768.8133	0.4427907	Götz.
180 39 20.5	6 23 19.2	3 25 57.8	685.108	0.476166	P. V. Neugebauer.
93 35 42.6	3 19 29.9	5 47 47.7	725.560	0.459556	Bauschinger.
84 40 40.0	6 48 8.9	1 51 11.1	862.724	0.409423	Dugan.
60 51 20.3	19 24 7.0	5 38 12.5	541.600	0.544219	Strömgren.
121 19 42.1	9 46 23.0	13 3 35.4	659.540	0.487179	P. V. Neugebauer.
142 19 33.4	6 36 25.6	9 22 44.9	630.980	0.499994	P. V. Neugebauer.
275 33 5.0	6 47 21.0	12 20 17.6	782.672	0.437618	P. V. Neugebauer.
201 56 34.7	5 33 17.7	5 3 8.0	1074.237	0.345938	P. V. Neugebauer.
268 25 26.2	5 57 29.4	2 33 35.6	751.048	0.449560	P. V. Neugebauer.
153 31 23.8	12 2 15.6	8 13 33.7	717.690	0.462713	Berberich.
296 35 25.3	8 26 55.7	9 2 0.8	662.328	0.485955	Berberich.
298 47 59.7	8 19 2.8	8 37 38.8	849.653	0.413843	Berberich.
334 48 21.8	11 9 30.2	10 25 55.6	622.584	0.503872	Berberich.
21 59 5.1	14 45 6.9	6 58 20.3	842.750	0.416205	Berberich.
193 24 54.6	16 56 41.5	13 46 3.9	769.074	0.442693	Berberich.
107 45 42.6	3 55 37.4	10 48 10.7	1012.425	0.363096	Berberich.
292 20 0.0	3 55 43.1	14 55 43.6	805.659	0.429237	Berberich.
271 4 28.4	10 6 47.1	12 38 44.0	850.6748	0.4134954	Berberich.
8 52 16.3	0 26 10.9	7 6 33.0	695.405	0.471846	Berberich.
268 45 18.8	7 26 1.6	4 3 57.6	631.413	0.499796	Berberich.
71 55 1.0	5 17 6.9	6 21 40.1	1073.630	0.346101	Berberich.
295 43 54.3	2 56 21.3	8 56 10.6	969.219	0.375723	Berberich.
130 53 27.6	2 38 46.4	8 50 39.9	624.247	0.503100	Berberich.
285 50 40.1	5 14 17.6	5 46 43.4	915.845	0.392123	Berberich.
293 21 1.7	2 31 8.5	5 35 58.3	926.968	0.388628	Berberich.
144 15 43.8	8 21 3.0	2 14 1.0	715.481	0.463606	Berberich.
112 23 20.2	9 18 15.0	3 45 2.0	794.666	0.433215	Berberich.
103 41 12.8	8 13 40.2	7 5 19.7	778.172	0.439287	Berberich.

Nr. und Name	Opposition 1906	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
							° ′ ″	° ′ ″
561 [1905 *QG*] .	—	—	13.9	9.7	1905 März 30.5	1905.0	67 22 32.6	302 12 37.9
562 [1905 *QH*] .	—	—	12.9	9.0	1905 April 8.5	1905.0	241 39 15.7	257 20 51.8
563 [1905 *QK*] .	—	—	11.1	7.8	1905 Mai 30.5	1905.0	153 53 28.2	333 32 9.6
564 [1905 *QM*] .	—	—	13.7	10.3	1905 Mai 9.5	1905.0	329 14 30.6	211 29 1.6
565 Marbachia .	—	—	12.9	10.2	1905 Mai 9.5	1905.0	69 45 0.0	290 15 49.5
566 Stereoskopia	—	—	11.5	7.0	1905 Juni 1.5	1905.0	232 36 44.7	303 22 2.8
567 [1905 *QP*] .	—	—	13.1	9.0	1905 Juni 3.5	1905.0	34 48 12.4	149 56 49.2
568 Cheruskia . .	—	—	12.3	8.6	1905 Aug. 21.5	1905.0	291 43 54.1	170 31 56.0
569 Misa	—	—	12.4	9.2	1905 Sept. 5.5	1905.0	280 29 19.6	137 37 20.8
[1894 *BD*] .			13.3	11.3	1894 Nov. 1.5	1900.0	337 18 8.4	356 39 18.9
[1900 *GA*] .			18.0	16.0	1900 Juni 30.5	1900.0	350 15 39.3	196 8 5.5
[1902 *JT*] .			—	—	1902 Okt. 23.5	1902.0	33 40 54.1	245 30 35.0
[1904 *OR*] .			—	—	1904 Okt. 3.5	1904.0	357 7 3.9	60 22 31.4

Kreisbahnen.

Planet	m_0	Epoche	Argument der Breite	☊	i	μ	Log. a
			° ′ ″	° ′ ″	° ′ ″	″	
1892 *S* . .	13.0	1892 Dez. 17.5	77 35 50	358 7 42	3 27 18	835.80	0.41860
1893 *C* . .	13.5	1893 Jan. 23.5	167 48 0	321 27 42	3 33 48	1182.9	0.31804
1893 *D* . .	12.5	1893 Jan. 19.5	348 50 15	133 20 53	11 44 34	681.61	0.47764
1893 *U* . .	13.0	1893 April 10.5	93 23 42	88 59 54	7 49 6	944.3	0.38330
1893 *X* . .	13	1893 März 21.5	112 50 17	72 17 48	1 34 4	423.40	0.61550
1893 *Y* . .	13	1893 April 17.5	79 39 46	124 24 8	0 18 4	549.95	0.53980
1894 *AW* .	12	1894 Febr. 3.5	62 6 12	21 39 36	4 33 42	996.0	0.36781
1896 *CU* .	12.0	1896 Sept. 3.5	100 46 25	243 53 26	5 51 46	692.17	0.47320
1898 *DW* .	13.5	1898 Nov. 19.5	181 1 17	229 11 55	14 40 58	841.15	0.41675
1898 *DX* .	—	1898 Nov. 19.5	182 5 12	227 3 49	22 26 34	589.39	0.51973
1898 *DY* .	13.5	1898 Nov. 13.5	198 18 19	216 46 18	3 15 55	673.12	0.48128
1898 *DZ* .	12.5	1898 Nov. 17.5	174 26 37	239 40 46	3 53 1	881.73	0.40312
1898 *EA* .	13	1898 Nov. 13.5	181 15 2	227 33 5	27 23 43	508.71	0.56236
1900 *FE* .	12.5	1900 März 6.5	33 49 36	129 37 12	13 13 24	882.1	0.40300
1900 *FL* .	14.0	1900 Sept. 28.5	152 4 21	197 51 1	6 39 4	768.78	0.44280
1901 *GE* .	11.5	1901 Febr. 26.5	172 11 8	331 51 18	17 40 58	620.85	0.50468

Mittleres Äquinoktium des Jahresanfangs.

☊	i	φ	μ	Log. a	Autorität
160° 30′ 7.0″	1° 30′ 51.5″	8° 42′ 31.0″	624.357″	0.503049	Berberich.
71 37 20.1	11 8 31.1	5 25 14.8	677.324	0.479473	Berberich.
84 51 35.6	10 20 46.4	13 56 47.2	792.084	0.434157	Berberich.
71 13 6.9	18 14 26.4	15 50 16.2	776.674	0.439845	Berberich.
225 49 48.3	10 53 59.5	7 18 40.0	931.272	0.387286	Berberich.
81 28 10.8	5 1 27.9	6 55 16.7	577.344	0.525714	Berberich.
59 6 21.0	8 59 5.6	4 55 30.7	641.903	0.495025	Berberich.
250 7 21.2	18 21 6.0	9 40 10.3	725.727	0.459489	Berberich.
303 2 30.5	1 17 8.5	10 12 17.8	822.367	0.423294	Berberich.
72 35 44.3	3 27 48.4	8 33 50.4	1104.735	0.337832	Berberich.
97 36 55.6	6 56 23.1	16 22 55.0	1122.174	0.333298	Leuschner.
80 11 55.9	2 28 7.5	11 54 31.0	637.160	0.497172	Berberich.
301 18 11.1	5 28 38.8	9 4 57.1	642.729	0.494652	Berberich.

Kreisbahnen.

Planet	m_0	Epoche	Argument der Breite	☊	i	μ	Log. a
1901 *HC*.	—	1901 Nov. 12.5	202° 51′ 49″	193° 51′ 50″	16° 21′ 55″	701.06″	0.46950
1901 *HD*.	—	1901 Nov. 15.5	339 15 43	62 43 50	29 31 43	592.93	0.51800
1902 *HY*.	—	1902 Juni 2.5	164 42 33	68 13 39	9 0 13	656.86	0.48836
1903 *LD*.	—	1903 Jan. 18.5	181 6 10	300 36 51	15 33 1	754.21	0.44834
1903 *LZ*.	—	1903 Aug. 30.5	153 22 42	189 17 0	9 22 0	759.30	0.44640
1903 *MC*.	—	1903 Sept. 29.5	185 33 38	167 13 30	26 16 59	564.44	0.53225
1903 *MD*.	—	1903 Sept. 29.5	358 34 29	354 45 52	14 35 22	654.46	0.48942
1903 *MF*.	—	1903 Sept. 29.5	183 25 53	171 9 13	10 55 45	783.09	0.43746
1903 *MM*.	—	1903 Okt. 14.5	181 15 12	195 37 36	4 56 48	714.71	0.46392
1903 *MN*.	—	1903 Okt. 24.5	350 9 6	39 35 0	7 51 54	945.90	0.38276
1903 *NF*.	—	1903 Dez. 18.5	216 0 54	230 11 48	15 16 54	849.85	0.41380
1903 *NG*.	—	1903 Nov. 14.5	178 3 42	230 52 18	8 38 12	649.73	0.49152
1904 *OD*.	—	1904 Mai 14.5	186 3 33	42 38 38	12 53 11	610.50	0.50954
1904 *OP*.	—	1904 Sept. 5.5	45 37 34	293 4 6	13 37 4	735.20	0.45572
1904 *QW*.	—	1904 April 4.5	70 11 57	108 54 13	11 14 22	716.53	0.46318

Mittleres Äquinoktium des Jahresanfangs.

Nr. und Name	Tag der Opp.	Gr.	12h Mittlere Zeit AR.	Dekl.	Δα	Δδ	Log. Δ	Letzte Beobachtung
			h m	° ′	m	′		
440 Theodora . . .	Jan. 1	11.9	6 44.4	+23 44	1.1	0	9.996	1900
284 Amalia	2	14.1	6 48.1	+13 52	0.9	0	0.278	1901
18 Melpomene . .	2	8.9	6 48.6	+ 9 8	1.1	+6	0.080	1904
236 Honoria . . .	2	11.5	6 50.4	+11 20	0.9	+2	0.271	1904
363 Padua	2	11.7	6 51.1	+28 26	1.0	+3	0.255	1902
238 Hypatia . . .	3	11.6	6 57.1	+ 4 4	0.8	+3	0.269	1904
273 Atropos	4	12.6	7 1.0	— 2 43	1.0	+6	0.271	1897
125 Liberatrix . .	5	11.6	7 3.2	+16 22	0.9	+2	0.295	1904
544 Jetta	5	13.4	7 3.8	+25 45	1.1	—1	0.300	1904
447 Valentine . . .	7	12.0	7 10.1	+26 31	1.0	+2	0.295	1904
39 Laetitia	7	9.6	7 13.3	+10 8	0.9	+4	0.266	1904
31 Euphrosyne .	9	9.8	7 20.0	+63 3	1.6	+4	0.212	1899
291 Alice	9	13.0	7 21.7	+19 17	1.1	+3	0.019	1901
542 Susanna . . .	10	12.8	7 24.0	+ 9 34	0.8	+5	0.295	1904
450 Brigitta	10	13.0	7 27.2	+37 25	1.0	+2	0.313	1904
391 Ingeborg . . .	11	13.8	7 30.5	—15 25	1.0	+4	0.202	1904
93 Minerva	13	11.5	7 39.1	+33 32	1.1	+1	0.333	1902
539 [1904 *OL*] . .	14	13.1	7 42.0	+17 58	1.0	0	0.251	1904
467 [1901 *FY*] . .	14	13.9	7 45.4	+26 20	1.0	—1	0.246	1904
256 Walpurga . .	15	13.4	7 45.5	+ 3 4	0.8	+3	0.327	1899
50 Virginia . . .	15	11.7	7 48.3	+17 14	1.0	+3	0.214	1904
20 Massalia . . .	16	8.3	7 50.1	+19 43	1.1	+3	0.036	1904
510 Mabella	16	14.0	7 53.7	+ 6 58	0.9	+2	0.340	1904
172 Baucis	17	10.9	7 56.3	+30 34	1.2	0	0.210	1904
436 Patricia	18	12.5	8 0.0	+43 46	1.2	0	0.355	1904
295 Theresia . . .	18	12.8	8 1.2	+18 56	1.0	+2	0.176	1899
230 Athamantis . .	19	10.4	8 4.7	+ 6 11	1.0	+1	0.160	1903
*184 Dejopeja . . .	19	12.3	8 5.5	+21 19	0.9	+2	0.329	1903
352 Gisela	20	12.0	8 7.6	+15 8	1.2	+3	0.067	1904
442 Eichsfeldia . .	20	12.1	8 7.6	+17 31	1.0	+6	0.136	1904
112 Iphigenia . . .	22	12.1	8 18.1	+21 17	1.1	+2	0.227	1904
* 68 Leto	23	11.1	8 19.8	+31 13	1.0	+3	0.326	1905
85 Io	23	12.1	8 20.3	+ 2 35	0.9	+3	0.361	1904
147 Protogeneia . .	23	12.6	8 23.1	+17 7	0.8	+2	0.343	1904
* 57 Mnemosyne . .	24	10.5	8 24.8	— 2 36	0.8	+4	0.323	1904
275 Sapientia . . .	24	11.2	8 27.8	+17 38	1.0	+6	0.153	1904
335 Roberta	25	12.5	8 29.7	+15 57	1.0	+4	0.280	1904
543 [1904 *OT*] . .	29	12.6	8 45.7	+15 3	0.9	+1	0.298	1904
* 17 Thetis	30	10.6	8 49.7	+18 32	1.0	+6	0.227	1904
258 Tyche	Febr. 1	11.8	8 57.6	— 3 52	0.8	+6	0.298	1904

Nr. und Name	Tag der Opp.	Gr.	12^h Mittlere Zeit AR.	Dekl.	Δα	Δδ	Log. Δ	Letzte Beobachtung
			h m	° ′	m	′		
3 Juno	Febr. 2	8.1	9 2.0	+ 3 23	0.9	+ 9	0.149	1904
451 Patientia . . .	2	10.6	9 4.4	+31 54	0.8	+ 5	0.304	1904
6 Hebe	3	8.9	9 5.9	+14 42	0.9	+10	0.201	1904
464 [1901 *FV*] . .	4	13.0	9 10.5	+24 25	0.9	+ 6	0.359	1901
137 Meliboea . . .	4	12.9	9 11.4	— 0 49	0.7	+ 4	0.453	1903
342 Endymion . .	4	12.3	9 11.9	+ 2 54	0.9	+ 5	0.127	1904
38 Leda	5	10.6	9 12.4	+11 51	1.0	+ 1	0.142	1898
359 Georgia	7	13.0	9 23.8	+23 20	1.0	+ 3	0.325	1904
183 Istria	8	12.0	9 26.4	+12 8	0.9	+16	0.184	1897
225 Henrietta . . .	8	13.8	9 27.3	— 8 45	0.6	+ 7	0.509	1903
393 Lampetia . . .	9	12.4	9 29.3	— 5 29	0.8	+ 5	0.416	1903
151 Abundantia .	9	11.5	9 31.9	+25 39	1.0	+ 4	0.185	1904
364 Isara	10	11.5	9 36.1	+21 4	1.0	+ 8	0.062	1904
109 Felicitas . . .	11	11.3	9 39.3	+24 6	0.8	0	0.147	1897
*199 Byblis	12	12.8	9 44.0	+31 20	0.8	+ 6	0.384	1903
*118 Peitho	13	10.8	9 44.4	+28 24	1.1	+ 4	0.092	1903
115 Thyra	13	10.4	9 44.6	+ 7 48	1.1	+ 1	0.147	1904
550 [1904 *PL*] . .	13	13.0	9 45.6	+ 0 30	0.9	+ 3	0.335	1905
552 [1904 *PO*] . .	13	12.2	9 46.9	+ 3 40	0.8	+ 3	0.337	1905
103 Hera	14	10.7	9 50.4	+14 24	0.8	+ 6	0.286	1904
446 Aeternitas . .	14	12.1	9 51.3	+29 15	0.9	+ 5	0.338	1904
55 Pandora . . .	15	11.3	9 52.5	+21 18	0.9	+ 3	0.303	1902
439 Ohio	15	12.7	9 57.7	—10 42	0.7	+ 7	0.328	1902
88 Thisbe	17	11.6	9 59.9	+ 5 53	0.9	+ 4	0.341	1905
319 Leona	18	14.3	10 6.6	+ 1 51	0.7	+ 6	0.389	1904
130 Elektra	19	11.1	10 8.0	+13 35	0.8	+ 9	0.390	1904
370 Modestia . . .	19	13.3	10 10.7	+ 2 5	1.0	+ 3	0.185	1904
74 Galatea	20	12.6	10 12.1	+ 6 43	0.8	+ 5	0.353	1902
127 Johanna . . .	20	10.2	10 12.6	+23 57	1.0	+ 3	0.209	1897
196 Philomela . . .	21	10.5	10 16.4	+21 42	0.8	+ 5	0.342	1904
432 Pythia	21	11.5	10 17.6	+29 16	1.0	+ 8	0.175	1904
32 Pomona	21	10.2	10 18.5	+ 1 24	0.9	+ 6	0.156	1904
56 Melete	22	12.1	10 20.8	+ 2 12	1.0	+ 7	0.304	1905
514 [1903 *MB*] . .	22	12.6	10 23.7	+ 4 32	0.8	+ 4	0.336	1904
12 Victoria	23	10.5	10 27.3	— 4 6	1.0	+ 6	0.238	1903
459 [1900 *FM*] . .	24	13.7	10 28.4	+24 40	1.0	+ 3	0.224	1900
237 Coelestina . .	24	13.1	10 29.4	+24 12	0.9	+ 6	0.281	1901
*178 Belisana . . .	25	12.0	10 30.5	+12 40	1.0	+ 5	0.177	1904
547 [1904 *PB*] . .	26	13.4	10 34.9	— 5 39	0.8	+ 9	0.333	1904
111 Ate	27	10.8	10 41.8	+ 3 18	0.9	+ 3	0.151	1904

Nr. und Name	Tag der Opp.	Gr.	12h Mittlere Zeit AR.	Dekl.	Δα	Δδ	Log. Δ	Letzte Beob-achtung
			h m	° ′	m	′		
421 Zähringia . . .	Febr. 28	14.8	10 42.2	+ 2 10	0.9	+ 8	0.260	1904
546 [1904 *PA*] . .	28	11.5	10 45.2	+28 10	1.1	0	0.135	1904
*154 Bertha	März 1	11.0	10 47.1	+38 24	1.0	+ 1	0.317	1904
381 Myrrha	2	12.5	10 49.2	+18 8	0.7	+ 7	0.362	1903
333 Badenia	3	13.4	10 54.5	+ 8 18	0.8	+ 3	0.412	1903
379 Huenna . . .	3	13.5	10 55.7	+ 6 26	0.8	+ 4	0.436	1903
304 Olga	4	13.4	10 57.0	+ 8 28	0.8	+10	0.283	1903
307 Nike	5	13.2	11 1.3	+14 58	0.8	+ 6	0.287	1899
485 Genua	6	10.8	11 8.4	− 5 36	0.7	+11	0.168	1905
54 Alexandra . .	9	11.4	11 19.1	− 7 34	0.9	+ 3	0.289	1905
516 Amherstia . .	13	9.5	11 30.4	− 7 54	1.1	− 3	0.051	1905
*170 Maria	13	11.7	11 30.6	−18 8	1.0	+ 2	0.195	1904
513 [1903 *LY*] . .	13	12.6	11 32.6	− 0 17	0.7	+ 7	0.344	1903
318 Magdalena . .	14	13.3	11 34.6	+ 5 34	0.7	+ 7	0.349	1903
420 Bertholda . . .	15	12.2	11 38.0	− 7 13	0.7	+ 5	0.376	1903
128 Nemesis . . .	15	11.2	11 38.2	+12 25	0.8	+ 4	0.315	1904
110 Lydia	16	10.9	11 42.7	+10 47	0.9	+ 5	0.291	1903
265 Anna	18	12.3	11 48.5	−26 41	1.8	−13	9.973	1902
86 Semele	19	13.2	12 0.6	+ 7 6	0.7	+ 5	0.424	1903
208 Lacrimosa . .	21	12.1	12 2.2	+ 0 8	0.8	+ 5	0.274	1904
551 [1904 *PM*] . .	22	13.0	12 4.7	− 0 24	0.8	+ 5	0.310	1905
287 Nephthys . . .	22	10.7	12 4.8	+10 50	0.8	+ 9	0.133	1903
141 Lumen	22	12.5	12 5.5	−14 9	0.9	+ 2	0.354	1901
394 Arduina . . .	25	14.0	12 15.6	+ 7 17	0.8	+ 4	0.361	1903
326 Tamara	25	11.4	12 17.4	+24 21	1.4	+ 3	0.120	1904
484 Pittsburghia .	26	13.2	12 19.3	+14 59	0.8	+ 7	0.255	1905
332 Siri	27	12.9	12 21.9	− 0 15	0.8	+ 5	0.291	1903
399 Persephone . .	29	12.6	12 28.1	−11 44	0.9	+ 1	0.267	1903
407 Arachne . . .	29	12.2	12 28.8	−15 25	0.9	+ 5	0.261	1903
158 Koronis	30	12.5	12 32.2	− 5 7	0.8	+ 5	0.294	1905
281 Lucretia . . .	30	14.1	12 36.0	− 0 4	0.9	+ 3	0.147	1890
301 Bavaria	30	12.6	12 37.1	+ 2 3	0.8	+ 7	0.225	1903
*149 Medusa	31	13.3	12 40.1	− 3 22	1.0	+ 7	0.110	1904
376 Geometria . .	April 1	11.1	12 41.1	−15 10	1.0	+ 3	0.029	1903
43 Ariadne	3	9.7	12 48.4	−11 56	1.0	+ 3	0.045	1904
324 Bamberga . .	3	11.4	12 49.4	−18 0	0.9	+ 4	0.412	1905
243 Ida	5	13.5	12 53.9	− 7 12	0.8	+ 5	0.286	1905
383 Janina	5	14.0	12 54.4	− 1 55	0.7	+ 4	0.409	1905
428 Monachia . . .	6	14.4	13 1.0	− 7 2	1.0	+ 4	0.229	1897
181 Eucharis . . .	6	11.4	13 1.1	+15 8	0.7	+ 7	0.321	1895

Nr. und Name	Tag der Opp.	Gr.	12h Mittlere Zeit AR.	Dekl.	Δα	Δδ	Log. Δ	Letzte Beob-achtung
			h m	° ′	m	′		
412 Elisabetha . .	April 7	11.8	13 3.3	+16 49	0.8	+5	0.230	1903
116 Sirona	9	10.1	13 7.0	− 2 20	0.8	+4	0.166	1904
33 Polyhymnia .	9	12.9	13 8.2	− 7 44	0.8	+4	0.398	1904
427 [1897 *DJ*] . .	9	13.2	13 10.5	−15 43	0.8	+4	0.305	1905
327 Columbia . . .	10	13.0	13 13.5	−13 0	0.9	+3	0.250	1903
249 Ilse	11	14.7	13 18.3	−20 26	1.0	+4	0.276	1896
519 [1903 *MP*] . .	13	12.7	13 24.3	− 1 44	0.9	+3	0.336	1903
395 Delia	13	12.7	13 26.2	−14 7	0.7	+5	0.219	1894
13 Egeria	14	9.6	13 29.8	+ 2 28	1.1	0	0.182	1904
15 Eunomia . . .	14	9.6	13 30.0	−27 46	0.9	+5	0.337	1905
283 Emma	15	12.4	13 30.1	−21 31	0.8	+4	0.384	1902
123 Brunhild . . .	15	11.2	13 33.9	−20 6	1.0	+4	0.284	1905
67 Asia	15	11.2	13 34.5	− 9 26	0.9	+8	0.151	1903
367 Amicitia . . .	16	12.2	13 35.9	− 4 54	1.0	+5	0.051	1896
278 Paulina	16	11.9	13 37.4	− 1 12	0.9	+2	0.141	1901
292 Ludovica . . .	17	12.5	13 38.7	− 1 56	1.0	0	0.198	1898
339 Dorothea . . .	17	13.0	13 40.5	− 2 28	0.7	+7	0.335	1903
45 Eugenia . . .	17	10.2	13 42.1	− 0 45	0.8	+6	0.181	1903
492 [1902 *JR*] . .	18	13.5	13 44.2	− 9 56	0.8	+4	0.374	1904
415 Palatia	18	12.6	13 45.0	+ 1 12	0.7	+5	0.372	1904
96 Aegle	19	10.9	13 46.5	−36 18	1.0	+2	0.264	1903
518 [1903 *MO*] . .	21	13.6	13 53.2	−10 20	0.9	+8	0.207	1903
314 Rosalia	23	14.7	14 1.6	− 0 45	0.6	+6	0.414	1902
89 Julia	23	10.8	14 2.4	−38 45	1.1	+4	0.279	1905
548 [1904 *PC*] . .	27	14.0	14 14.7	− 7 8	1.0	+5	0.216	1904
549 [1904 *PK*] . .	27	14.2	14 17.0	−19 42	1.0	+5	0.307	1905
191 Kolga	28	12.5	14 22.5	+ 0 23	0.7	+6	0.336	1902
146 Lucina	29	10.7	14 24.7	+ 2 56	0.9	0	0.196	1905
102 Miriam	29	13.4	14 24.8	−13 27	0.8	+6	0.309	1902
413 Edburga . . .	30	13.4	14 26.8	+13 10	1.0	+3	0.340	1896
271 Penthesilea . .	30	13.3	14 29.4	−19 34	0.8	+4	0.361	1903
261 Prymno	Mai 1	11.5	14 29.4	− 8 47	0.9	+2	0.078	1900
242 Kriemhild . .	1	12.6	14 31.0	−11 13	0.7	+7	0.268	1903
520 Franziska . . .	2	13.1	14 37.0	−17 24	0.9	+1	0.363	1905
197 Arete	2	12.8	14 38.4	− 5 41	0.9	+2	0.254	1898
91 Aegina	3	11.7	14 38.6	−17 17	1.0	+4	0.250	1903
316 Goberta	3	13.9	14 39.9	−12 12	0.7	+3	0.403	1891
443 Photographica	5	12.2	14 45.1	− 9 51	1.0	+6	0.066	1903
490 [1902 *JP*] . .	5	12.6	14 47.3	− 6 42	0.7	+5	0.377	1904
280 Philia	5	14.7	14 48.8	−22 47	0.9	+2	0.330	1890

Nr. und Name	Tag der Opp.	Gr.	12h Mittlere Zeit AR.	Dekl.	Δα	Δδ	Log. Δ	Letzte Beob-achtung
			h m	° ′	m	′		
306 Unitas	Mai 5	10.5	14 49.5	− 2 54	1.0	+5	0.107	1903
355 Gabriella . . .	6	13.5	14 53.9	−22 28	1.0	+4	0.238	1905
431 [1897 *DN*] . .	6	12.6	14 53.9	+13 58	0.8	+3	0.329	1902
152 Atala	7	12.3	14 55.1	−18 24	0.9	+1	0.363	1905
* 65 Cybele	7	10.5	14 57.2	−11 56	0.7	+4	0.327	1905
185 Eunike	8	11.1	14 58.6	+15 54	0.8	+5	0.330	1905
73 Klytia	9	12.3	15 4.0	−19 55	0.9	+3	0.248	1905
157 Dejanira . . .	10	14.0	15 6.2	−12 38	1.0	0	0.245	1905
229 Adelinda . . .	10	13.5	15 9.5	−18 44	0.8	+4	0.390	1900
*148 Gallia	11	12.0	15 12.3	+18 30	0.8	+3	0.381	1905
192 Nausikaa . . .	12	10.1	15 17.4	−28 42	1.1	+3	0.245	1905
294 Felicia	13	13.9	15 18.9	− 8 25	0.8	−9	0.277	1891
296 Phaetusa . . .	13	13.9	15 22.9	−15 51	1.1	−4	0.163	1902
298 Baptistina . .	16	13.6	15 30.0	−27 43	1.2	+2	0.100	1902
44 Nysa	16	10.1	15 30.2	−12 53	1.0	+3	0.195	1904
289 Nenetta	16	13.0	15 31.1	−11 13	0.8	+4	0.344	1903
491 Carina	16	12.9	15 31.4	+ 3 46	0.7	+5	0.388	1904
382 Dodona	17	11.2	15 33.5	−31 27	0.9	+3	0.199	1905
371 Bohemia . . .	17	11.4	15 34.0	−28 22	0.9	+5	0.195	1905
525 [1904 *NO*] . .	18	15.3	15 37.0	−15 19	0.7	+2	0.549	1904
171 Ophelia	18	12.0	15 38.5	−16 45	0.8	+2	0.315	1905
553 [1905 *PP*] . .	18	14.3	15 39.0	−17 5	1.1	+2	0.162	1905
231 Vindobona . .	18	11.4	15 40.2	−27 41	0.9	+2	0.170	1902
63 Ausonia . . .	19	9.2	15 42.6	−30 52	1.1	+2	0.051	1903
512 Taurinensis . .	19	12.9	15 43.5	− 7 31	1.0	+2	0.116	1903
350 Ornamenta . .	20	13.4	15 45.1	+ 1 24	0.8	0	0.419	1905
504 Cora	20	12.7	15 45.5	− 4 20	0.9	+1	0.268	1903
362 Havnia	20	11.3	15 46.6	−27 5	1.1	+1	0.226	1905
* 71 Niobe	21	9.9	15 50.2	−58 53	1.4	+4	0.151	1905
* 92 Undina	22	10.8	15 53.9	− 9 54	0.8	+1	0.330	1905
*190 Ismene	22	12.5	15 56.8	−13 9	0.6	+2	0.526	1905
179 Klytaemnestra	23	11.7	15 58.0	−22 51	0.7	+5	0.312	1902
81 Terpsichore .	23	12.8	15 58.3	−30 31	0.9	+1	0.383	1903
297 Caecilia	23	13.0	16 0.7	−32 15	0.8	+2	0.303	1902
214 Aschera . . .	25	12.2	16 8.7	−26 36	1.0	+2	0.221	1905
521 Brixia	26	13.3	16 13.6	−14 28	0.9	0	0.383	1905
*106 Dione	28	12.0	16 18.4	−21 47	0.8	+1	0.403	1902
117 Lomia	28	11.5	16 21.5	−43 39	1.1	+1	0.322	1905
78 Diana	29	11.1	16 22.2	−35 6	1.1	+2	0.269	1905
166 Rhodope . . .	29	13.3	16 25.6	− 5 32	0.9	+1	0.326	1897

Nr. und Name	Tag der Opp.	Gr.	12ʰ Mittlere Zeit AR.	Dekl.	Δα	Δδ	Log.Δ	Letzte Beobachtung
			h m	° ′	m	′		
*270 Anahita	Mai 31	10.7	16 32.1	—22 18	1.1	+ 4	0.040	1905
252 Clementina . .	Juni 5	13.0	16 54.3	—11 1	0.9	+ 2	0.341	1902
250 Bettina	7	12.3	16 59.2	—37 3	1.0	0	0.403	1905
180 Garumna . . .	8	13.7	17 5.3	—24 0	1.0	+ 1	0.295	1899
*198 Ampella . . .	9	10.9	17 10.1	—25 48	1.1	+ 5	0.143	1905
266 Aline	12	12.1	17 19.4	—14 46	0.9	+ 4	0.297	1902
343 Ostara	12	14.4	17 19.9	+26 38	1.1	+ 1	0.255	1903
300 Geraldina . . .	13	12.3	17 26.5	+23 58	0.8	0	0.328	1905
497 [1902 *KJ*] . .	14	13.3	17 30.2	+30 47	1.0	0	0.244	1902
499 Venusia . . .	14	14.0	17 32.3	—23 0	0.6	0	0.580	1903
*334 Chicago	15	12.0	17 35.4	—18 31	0.7	0	0.465	1905
487 Venetia	16	12.1	17 38.5	—15 11	0.9	— 3	0.253	1905
505 Cava	18	13.0	17 44.6	—22 16	1.0	— 2	0.353	1905
471 [1901 *GN*] . .	20	10.4	17 53.7	—25 0	1.0	— 4	0.343	1905
*164 Eva	21	11.7	17 55.9	+31 46	0.9	—10	0.239	1902
374 Burgundia . .	22	11.2	18 3.5	—11 56	0.9	+ 2	0.197	1905
120 Lachesis . . .	24	11.4	18 9.1	+33 24	0.9	0	0.297	1905
235 Carolina . . .	24	11.8	18 10.5	+29 47	1.0	— 3	0.228	1900
369 Aëria	25	12.6	18 12.6	—22 54	1.0	— 5	0.203	1905
104 Klymene . . .	26	12.8	18 18.4	—26 32	0.8	— 1	0.402	1904
409 Aspasia	28	10.3	18 25.7	—12 38	0.9	+ 4	0.158	1904
159 Aemilia	28	12.8	18 27.1	—17 52	0.8	— 2	0.379	1904
* 28 Bellona	28	10.7	18 27.9	—12 56	0.9	— 2	0.327	1905
*122 Gerda	29	11.4	18 32.5	—20 54	0.8	— 1	0.339	1905
80 Sappho	30	10.0	18 37.6	— 8 49	1.0	+ 2	0.045	1903
357 Ninina	Juli 1	12.2	18 38.9	—10 0	0.8	— 4	0.334	1893
51 Nemausa . . .	2	9.9	18 45.1	— 6 27	0.9	— 3	0.149	1905
397 Vienna	2	12.0	18 45.7	— 5 32	0.9	+ 4	0.149	1902
142 Polana	3	11.7	18 46.3	—23 50	1.1	0	0.080	1903
523 [1904 *ND*] . .	3	13.6	18 47.5	—21 2	0.9	+ 1	0.389	1904
426 [1897 *DH*] . .	4	11.6	18 51.9	—38 51	1.2	+ 3	0.290	1903
311 Claudia	5	13.0	18 56.5	—24 39	0.9	— 2	0.281	1905
168 Sibylla	7	11.6	19 6.2	—16 9	0.8	— 1	0.377	1904
119 Althaea	8	10.5	19 6.7	—13 4	0.8	— 1	0.188	1903
64 Angelina . . .	8	11.1	19 9.8	—23 20	1.0	— 1	0.297	1903
27 Euterpe	9	10.5	19 10.1	—23 0	1.1	— 2	0.233	1905
449 Hamburga . .	9	12.8	19 13.0	—24 4	1.0	— 3	0.285	1903
338 Budrosa . . .	10	12.2	19 17.9	—22 22	0.9	0	0.283	1904
244 Sita	13	13.5	19 26.9	—16 28	1.0	— 2	0.034	1900
337 Devosa	13	12.1	19 28.8	—33 33	1.2	— 1	0.228	1905

Nr. und Name	Tag der Opp.	Gr.	12h Mittlere Zeit AR.	Dekl.	Δα	Δδ	Log. Δ	Letzte Beob-achtung
			h m	° ′	m	′		
417 Suevia	Juli 13	12.8	19 29.5	−11 33	0.9	− 2	0.268	1905
494 Virtus	14	12.0	19 30.7	−32 30	1.0	− 3	0.261	1905
145 Adeona	14	12.1	19 35.0	−32 11	1.0	− 5	0.313	1901
441 [1898 *ED*] . .	15	12.9	19 39.2	−13 37	0.9	0	0.302	1898
* 53 Kalypso	16	12.5	19 40.2	−17 34	0.9	− 3	0.321	1905
*163 Erigone	16	12.5	19 40.2	−15 56	1.0	− 3	0.249	1905
72 Feronia	16	10.3	19 41.1	−10 21	0.9	− 2	9.996	1903
61 Danaë	16	10.3	19 43.6	−41 58	1.2	+ 3	0.221	1902
253 Mathilde . . .	18	11.8	19 47.8	− 9 2	0.8	− 4	0.010	1902
388 Charybdis . .	19	11.4	19 54.6	−29 44	0.9	− 1	0.262	1904
251 Sophia	20	14.1	19 57.1	−11 10	0.7	− 4	0.369	1901
23 Thalia	22	11.3	20 5.9	−31 56	0.9	− 4	0.349	1905
320 Katharina . .	25	13.8	20 14.9	− 5 4	0.8	− 2	0.259	1891
200 Dynamene . .	26	11.1	20 19.6	−24 2	1.0	− 1	0.250	1904
* 37 Fides	27	10.8	20 26.6	−23 40	1.0	− 3	0.262	1905
205 Martha	27	12.6	20 27.2	− 1 57	0.8	− 4	0.248	1902
348 May	29	13.2	20 30.8	−27 10	0.8	− 5	0.329	1905
7 Iris	29	8.2	20 33.2	−11 20	1.0	− 1	0.113	1904
48 Doris	29	11.1	20 34.8	−10 28	0.8	− 4	0.346	1905
378 Holmia	Aug. 1	12.3	20 45.7	− 6 39	0.8	− 3	0.217	1904
100 Hekate	2	10.8	20 47.8	−17 28	0.8	− 6	0.193	1901
207 Hedda	2	11.8	20 50.8	−24 43	1.1	− 4	0.104	1903
486 Cremona . . .	3	13.4	20 51.2	−29 24	1.0	− 8	0.113	1902
87 Sylvia	5	11.4	20 59.9	−30 36	0.8	− 4	0.342	1905
10 Hygiea	6	9.3	21 3.5	−13 59	0.8	− 2	0.301	1905
276 Adelheid . . .	8	12.2	21 9.6	+13 49	0.7	− 4	0.382	1905
325 Heidelberga .	8	12.5	21 10.5	−23 6	0.8	− 2	0.356	1903
182 Elsa	8	10.9	21 10.7	−18 12	1.0	− 5	0.137	1904
286 Iclea	9	13.2	21 16.3	−10 1	0.8	− 8	0.338	1905
434 Hungaria . . .	10	11.3	21 20.3	+13 45	0.8	−20	9.931	1903
114 Kassandra . .	11	11.7	21 21.7	−12 4	0.8	− 5	0.305	1903
480 [1901 *GL*] . .	12	11.7	21 28.0	+19 48	0.8	− 3	0.249	1901
124 Alkeste	13	10.1	21 31.2	−10 54	0.8	− 5	0.190	1905
209 Dido	14	11.5	21 33.4	−22 9	0.8	− 2	0.311	1901
254 Augusta . . .	14	12.9	21 34.7	−23 15	1.1	− 3	0.015	1902
267 Tirza	15	13.6	21 36.2	−23 48	0.9	− 5	0.200	1891
161 Athor	16	10.1	21 40.5	−29 56	1.1	0	0.025	1903
223 Rosa	17	13.7	21 44.7	−16 28	0.7	− 4	0.374	1904
136 Austria	17	10.7	21 47.2	− 0 48	0.8	− 9	0.040	1905
414 [1896 *CN*] . .	18	12.8	21 49.2	−20 25	0.7	− 5	0.392	1896

Nr. und Name	Tag der Opp.	Gr.	12h Mittlere Zeit AR.	Dekl.	Δα	Δδ	Log. Δ	Letzte Beobachtung
			h m	° '	m	'		
5 Astraea	Aug. 19	10.9	21 51.0	−13 37	0.8	− 6	0.311	1905
386 Siegena	19	9.9	21 53.6	− 1 8	0.7	−11	0.200	1905
528 [1904 *NS*] . .	19	12.3	21 54.7	−31 54	0.8	− 4	0.380	1904
107 Camilla	20	11.0	21 58.6	− 5 41	0.6	− 5	0.426	1904
526 [1904 *NQ*] . .	22	13.8	22 2.6	−12 35	0.7	− 4	0.405	1904
308 Polyxo	23	10.8	22 8.2	− 7 37	0.8	− 6	0.219	1905
188 Menippe . . .	24	12.0	22 12.0	+10 50	0.8	− 4	0.127	1897
349 Dembowska. .	25	9.4	22 15.9	−23 24	0.9	− 3	0.239	1904
218 Bianca	25	11.5	22 16.1	− 2 49	0.8	−10	0.230	1904
416 Vaticana . . .	27	10.9	22 23.0	−33 0	0.9	− 4	0.190	1905
430 [1897 *DM*] . .	27	12.7	22 23.9	+15 13	0.8	− 3	0.214	1897
262 Valda	28	13.8	22 25.7	−22 39	1.0	− 4	0.158	1900
14 Irene	29	10.9	22 28.6	−23 3	1.0	− 6	0.392	1905
187 Lamberta . . .	31	11.8	22 35.4	−21 43	0.6	+ 2	0.299	1902
94 Aurora	Sept. 2	11.1	22 44.8	−13 48	0.8	− 3	0.313	1904
501 [1903 *LB*] . .	3	12.2	22 48.0	−20 29	1.1	+ 2	0.238	1903
222 Lucia	4	12.7	22 51.8	−10 35	0.8	− 5	0.303	1905
174 Phaedra . . .	6	11.5	22 59.1	− 0 46	0.9	− 1	0.254	1901
529 [1904 *NT*] . .	7	12.8	23 0.4	−24 42	0.8	− 4	0.276	1904
478 Tergeste . . .	8	11.2	23 5.2	+13 5	0.6	− 6	0.337	1905
524 [1904 *NN*] . .	8	12.0	23 5.5	− 0 51	0.9	− 2	0.164	1904
360 Carlova	9	11.5	23 11.1	−15 18	0.7	− 8	0.252	1905
377 Campania . .	10	11.2	23 12.7	+ 3 24	1.0	− 7	0.192	1905
139 Juewa	10	11.7	23 14.9	− 9 42	0.8	− 2	0.354	1904
* 26 Proserpina . .	11	10.6	23 14.9	−10 10	0.9	− 5	0.234	1905
366 Vincentina . .	11	12.1	23 16.3	− 4 39	0.8	− 2	0.300	1904
126 Velleda	11	10.8	23 19.2	− 7 4	0.9	− 5	0.070	1905
49 Pales	12	11.0	23 19.4	+ 0 32	0.8	− 4	0.187	1904
* 42 Isis	15	9.0	23 29.7	−22 9	0.8	− 4	9.987	1905
4 Vesta	15	6.5	23 32.8	−15 13	0.9	− 6	0.140	1905
507 Laodica	16	12.0	23 34.8	+11 19	0.8	− 4	0.277	1903
206 Hersilia	17	12.0	23 38.7	− 5 20	0.8	− 6	0.240	1904
203 Pompeja . . .	17	11.4	23 39.6	− 1 38	0.9	− 4	0.208	1904
58 Concordia . .	18	11.8	23 42.8	− 3 41	0.8	− 7	0.258	1905
408 Fama	20	12.8	23 50.1	+11 58	0.8	− 1	0.277	1895
423 Diotima	22	11.2	23 55.9	−18 6	0.8	− 4	0.321	1905
290 Bruna	22	14.3	23 57.6	−10 24	1.3	0	0.173	1890
66 Maja	24	11.4	0 1.8	− 0 37	0.9	− 4	0.112	1902
202 Chryseïs . . .	24	11.1	0 4.7	− 8 34	0.7	− 6	0.357	1904
310 Margarita . . .	26	14.1	0 11.9	+ 4 57	0.8	− 6	0.315	1891

Nr. und Name	Tag der Opp.	Gr.	12h Mittlere Zeit AR.	Dekl.	Δα	Δδ	Log. Δ	Letzte Beobachtung
			h m	° ′	m	′		
293 Brasilia	Sept. 27	13.4	0 12.5	−21 24	0.9	− 3	0.342	1890
403 Cyane	28	12.3	0 17.2	+14 33	0.9	− 6	0.294	1905
506 [1903 *LN*]	29	12.3	0 22.7	+26 18	0.9	− 2	0.299	1903
*108 Hecuba	30	12.1	0 26.3	+ 4 36	0.7	− 4	0.400	1905
156 Xanthippe	Okt. 4	12.3	0 39.0	+15 38	0.8	− 6	0.357	1905
534 [1904 *OA*]	7	12.6	0 48.2	− 0 27	0.8	− 5	0.242	1904
* 47 Aglaja	7	10.7	0 49.2	+ 6 46	0.9	− 3	0.219	1904
22 Kalliope	7	9.5	0 49.8	−14 36	0.8	− 1	0.244	1904
2 Pallas	8	8.2	0 54.4	−13 14	0.9	−15	0.271	1904
498 Tokio	8	10.1	0 56.5	−13 11	0.8	− 4	0.066	1905
240 Vanadis	8	11.4	0 56.8	+ 2 0	0.8	− 6	0.080	1901
345 Tercidina	10	11.1	1 0.4	+11 20	0.8	−11	0.100	1905
*175 Andromache	11	11.4	1 6.8	+ 6 23	0.8	− 4	0.248	1905
255 Oppavia	12	14.1	1 8.1	+ 8 29	1.0	− 2	0.284	1904
274 Philagoria	12	14.2	1 8.2	+ 1 47	0.8	− 4	0.383	1905
385 Ilmatar	12	10.9	1 10.3	+20 29	0.9	− 2	0.334	1904
144 Vibilia	13	9.1	1 11.6	− 1 5	0.8	− 3	0.022	1905
*153 Hilda	15	12.6	1 20.4	+13 21	0.6	− 5	0.471	1905
*134 Sophrosyne	15	10.6	1 20.8	+22 10	1.1	0	0.131	1904
* 24 Themis	16	11.1	1 22.3	+ 8 23	0.7	− 4	0.360	1904
233 Asterope	16	10.8	1 23.1	+13 19	0.8	− 8	0.160	1901
*313 Chaldaea	16	10.4	1 23.6	+ 0 6	0.9	−10	0.163	1904
* 76 Freia	16	11.5	1 25.1	+ 9 28	0.9	− 6	0.321	1898
470 Kilia	19	12.3	1 36.8	+ 3 36	0.9	− 6	0.214	1905
454 Mathesis	22	12.2	1 43.6	+ 9 52	1.0	− 4	0.284	1905
328 Gudrun	22	11.9	1 44.2	+27 32	1.0	− 1	0.284	1900
438 [1898 *DU*]	23	13.5	1 49.5	+ 6 49	1.0	− 4	0.219	1902
422 Berolina	24	12.2	1 52.7	+15 55	1.1	− 2	9.940	1896
361 Bononia	24	12.7	1 53.4	+15 36	0.8	− 1	0.397	1901
532 Herculina	24	10.6	1 53.6	−13 16	0.8	− 4	0.357	1905
456 Abnoba	25	13.7	1 55.2	+18 25	1.0	−10	0.353	1905
*288 Glauke	27	13.5	2 5.1	+ 6 7	0.8	− 4	0.366	1904
150 Nuwa	27	10.9	2 5.6	+12 23	0.8	− 5	0.224	1904
533 [1904 *NZ*]	28	13.8	2 10.9	+ 7 48	0.7	− 6	0.335	1904
536 [1904 *OF*]	29	11.3	2 11.6	− 1 35	0.8	0	0.353	1904
279 Thule	30	13.7	2 15.7	+11 30	0.6	− 3	0.508	1902
133 Cyrene	Nov. 4	11.9	2 35.6	+25 48	0.8	− 4	0.393	1903
*121 Hermione	4	10.6	2 37.0	+ 8 18	0.8	− 2	0.317	1904
210 Isabella	10	11.7	2 58.8	+19 22	1.0	− 1	0.147	1904
530 [1904 *NV*]	11	12.3	3 6.6	+ 4 46	0.8	− 3	0.328	1904

Nr. und Name	Tag der Opp.	Gr.	12h Mittlere Zeit AR.	Dekl.	Δα	Δδ	Log. Δ	Letzte Beobachtung
			h m	° ′	m	′		
503 Evelyn	Nov. 12	11.7	3 9.5	+14 39	1.0	−2	0.155	1904
340 Eduarda . . .	14	12.2	3 15.1	+21 28	1.0	−2	0.159	1903
260 Huberta . . .	15	13.6	3 21.8	+10 13	0.8	−3	0.368	1889
476 Hedwig	16	11.6	3 24.5	+32 18	1.0	−6	0.255	1904
435 Ella	18	11.5	3 31.5	+20 56	1.1	−3	0.093	1905
346 Hermentaria .	18	11.0	3 31.7	+ 9 55	0.7	+1	0.197	1904
461 [1900 *FP*] . .	24	13.3	3 58.8	+18 18	0.9	−3	0.212	1900
227 Philosophia . .	24	13.8	4 0.8	+33 23	0.9	−2	0.444	1897
25 Phocaea . . .	25	11.0	4 5.2	+ 4 13	0.6	−9	0.206	1905
321 Florentina . .	25	12.9	4 5.5	+22 25	1.0	−2	0.248	1903
221 Eos	26	11.2	4 6.9	+ 4 43	0.8	−1	0.308	1903
531 [1904 *NW*] . .	27	15.1	4 10.4	−13 52	0.8	−6	0.393	1904
472 Roma	27	11.0	4 13.5	− 3 43	1.0	+1	0.131	1904
457 Alleghenia . .	29	14.3	4 22.3	+22 49	0.9	−7	0.227	1900
77 Frigga	29	11.3	4 22.5	+25 25	1.1	−7	0.125	1903
194 Prokne	30	10.7	4 23.1	− 7 37	0.9	−1	0.235	1897
140 Siwa	30	11.9	4 23.6	+18 33	1.0	−1	0.302	1905
*241 Germania . .	30	11.1	4 25.9	+25 2	0.9	−4	0.301	1905
98 Ianthe	Dez. 1	11.7	4 30.7	+46 50	1.4	0	0.193	1901
195 Eurykleia . .	2	12.1	4 33.4	+31 41	1.0	−2	0.262	1896
336 Lacadiera . . .	2	12.4	4 35.2	+19 33	1.1	−5	0.169	1902
495 [1902 *KG*] . .	3	11.8	4 37.6	+18 24	1.0	−2	0.082	1902
167 Urda	4	13.2	4 40.7	+18 54	0.9	−2	0.289	1905
* 90 Antiope	5	12.1	4 44.0	+22 23	0.9	−1	0.384	1904
75 Eurydike . . .	6	11.4	4 47.6	+30 19	1.2	−2	0.193	1895
201 Penelope . . .	6	11.8	4 48.0	+13 31	1.0	−1	0.225	1901
1 Ceres	6	7.3	4 48.7	+20 19	1.0	+2	0.235	1904
135 Hertha	7	10.8	4 52.7	+26 21	1.2	−2	0.191	1905
437 [1898 *DP*] . .	8	13.0	4 58.4	+24 20	1.2	−5	0.176	1902
101 Helena	8	10.9	4 58.8	+38 49	1.2	−2	0.231	1899
263 Dresda	8	13.1	4 59.2	+21 29	1.0	−2	0.251	1905
500 [1903 *LA*] . .	10	11.7	5 11.4	+31 33	1.1	−5	0.176	1905
268 Adorea	13	12.6	5 20.8	+20 49	0.9	0	0.327	1903
508 [1903 *LQ*] . .	14	12.3	5 26.5	+35 7	1.0	+2	0.345	1903
204 Kallisto	15	12.8	5 29.6	+13 10	1.0	−2	0.333	1904
*176 Iduna	15	11.6	5 32.5	− 6 58	0.8	−3	0.287	1905
248 Lameia	15	13.4	5 32.8	+21 27	1.1	−2	0.214	1905
* 19 Fortuna	17	9.2	5 37.6	+21 4	1.1	−1	0.077	1905
*113 Amalthea . . .	17	11.2	5 38.6	+18 8	1.1	+1	0.166	1905
232 Russia	18	13.7	5 44.2	+14 36	1.0	+1	0.229	1904

Nr. und Name	Tag der Opp.	Gr.	12h Mittlere Zeit AR.	Dekl.	Δα	Δδ	Log. Δ	Letzte Beobachtung
			h m	° ′	m	′		
312 Pierretta . . .	Dez. 19	12.9	5 49.2	+10 27	1.1	+1	0.268	1899
* 46 Hestia	20	10.5	5 53.1	+19 39	1.1	0	0.176	1904
34 Circe	20	11.2	5 55.4	+14 36	1.0	0	0.193	1905
535 [1904 *OC*] . .	22	11.7	5 59.8	+24 29	1.1	+3	0.185	1904
483 Seppina	22	12.7	6 0.1	− 2 0	0.7	+2	0.421	1904
*247 Eukrate	22	9.9	6 1.0	+66 44	2.0	−1	0.125	1904
358 Apollonia . . .	22	11.7	6 1.3	+17 41	1.0	0	0.181	1905
160 Una	25	11.5	6 12.1	+29 37	1.1	0	0.204	1897
527 [1904 *NR*] . .	26	13.1	6 18.3	+16 57	1.0	+3	0.299	1904
138 Tolosa	28	12.5	6 28.0	+26 38	1.1	+2	0.245	1904
309 Fraternitas . .	29	13.0	6 31.0	+29 19	1.1	0	0.249	1891
380 Fiducia	30	12.9	6 38.6	+23 42	1.0	+3	0.268	1905
303 Josephina . .	31	11.4	6 41.8	+32 37	1.0	0	0.228	1905
406 [1895 *CB*] . .	37	13.8	7 8.5	+25 50	1.0	+1	0.314	1905
387 Aquitania . .	39	10.9	7 13.8	+13 4	0.9	+5	0.383	1904
537 [1904 *OG*] . .	39	14.1	7 14.1	+19 8	0.8	+3	0.438	1904
444 Gyptis	40	11.5	7 17.8	+ 6 55	0.9	+2	0.300	1905
305 Gordonia . . .	42	11.2	7 28.6	+14 36	0.9	+2	0.174	1905
354 Eleonora . . .	44	9.5	7 35.8	+ 7 28	0.9	+9	0.192	1902
8 Flora	44	8.6	7 36.8	+22 8	1.1	+6	0.044	1905

Von den mit einem Sternchen (*) bezeichneten Planeten enthält das Jahrbuch (S. 517 – 560) ausführliche Ephemeriden.

Nicht berücksichtigt sind die Oppositionen der Planeten 99, 132, 155, 193, 220, 285, 323, 330, 353, 392, 396, 398, 400, 410, 411, 463, 469, 473, 474, 489, 493, 515, 517, 522 und von 554 an, sowie aller Planeten, für welche nur Kreisbahnen berechnet sind.

(184) DEJOPEJA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Jan. 7	8 15 33.11	−47.48	+20 50 26.7	+2 22.0	0.334733	17 57
8	8 14 45.63	48.12	20 52 48.7	2 22.5	0.333915	17 55
9	8 13 57.51	48.73	20 55 11.2	2 23.0	0.333153	17 53
10	8 13 8.78	49.29	20 57 34.2	2 23.3	0.332450	17 51
11	8 12 19.49	−49.80	20 59 57.5	+2 23.4	0.331806	17 49
12	8 11 29.69	50.27	+21 2 20.9	2 23.2	0.331220	17 48
13	8 10 39.42	50.70	21 4 44.1	2 22.7	0.330694	17 47
14	8 9 48.72	51.05	21 7 6.8	2 22.2	0.330227	17 46
15	8 8 57.67	51.35	21 9 29.0	2 21.5	0.329820	17 45
16	8 8 6.32	−51.60	21 11 50.5	+2 20.7	0.329474	17 45
17	8 7 14.72	51.80	+21 14 11.2	2 19.8	0.329189	17 44
18	8 6 22.92	51.92	21 16 31.0	2 18.6	0.328966	17 43
☍ 19	8 5 31.00	51.99	21 18 49.6	2 17.2	0.328805	17 43
20	8 4 39.01	52.00	21 21 6.8	2 15.8	0.328705	17 43
21	8 3 47.01	−51.96	21 23 22.6	+2 14.1	0.328666	17 42
22	8 2 55.05	51.86	+21 25 36.7	2 12.3	0.328689	17 43
23	8 2 3.19	51.70	21 27 49.0	2 10.3	0.328774	17 43
24	8 1 11.49	51.47	21 29 59.3	2 8.1	0.328920	17 43
25	8 0 20.02	51.18	21 32 7.4	2 5.8	0.329128	17 44
26	7 59 28.84	−50.83	21 34 13.2	+2 3.4	0.329398	17 44
27	7 58 38.01	50.44	+21 36 16.6	2 0.8	0.329728	17 45
28	7 57 47.57	50.00	21 38 17.4	1 58.1	0.330117	17 46
29	7 56 57.57	49.49	21 40 15.5	1 55.3	0.330565	17 47
30	7 56 8.08	48.93	21 42 10.8	1 52.3	0.331072	17 48
31	7 55 19.15	−48.32	21 44 3.1	+1 49.2	0.331638	17 50
Febr. 1	7 54 30.83	47.65	+21 45 52.3	1 46.1	0.332262	17 51
2	7 53 43.18	46.92	21 47 38.4	1 42.9	0.332942	17 53
3	7 52 56.26	46.14	21 49 21.3	1 39.6	0.333677	17 55
4	7 52 10.12	45.34	21 51 0.9	1 36.3	0.334467	17 57
5	7 51 24.78	−44.49	21 52 37.2	+1 33.0	0.335311	17 59
6	7 50 40.29	43.57	+21 54 10.2	1 29.6	0.336209	18 1
7	7 49 56.72	42.62	21 55 39.8	1 26.2	0.337159	18 4
8	7 49 14.10	41.65	21 57 6.0	1 22.8	0.338161	18 6
9	7 48 32.45	40.63	21 58 28.8	1 19.3	0.339213	18 9
10	7 47 51.82	−39.58	21 59 48.1	+1 15.7	0.340314	18 11
11	7 47 12.24	38.48	+22 1 3.8	1 12.1	0.341462	18 14
12	7 46 33.76		22 2 15.9		0.342657	18 17

Opp. in AR. Jan. 19 Gröſse = 12.3

P. Neugebauer.

(68) LETO 1906.

12ʰ Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
Jan. 7	8ʰ 35ᵐ 28ˢ.92	−54ˢ.29	+30° 6′ 34″.6	+4′ 51″.6	0.327170	17ᵐ 38ˢ
8	8 34 34.63	55.16	30 11 26.2	4 47.4	0.326653	17 37
9	8 33 39.47	55.99	30 16 13.6	4 43.0	0.326194	17 36
10	8 32 43.48	56.76	30 20 56.6	4 38.2	0.325794	17 35
11	8 31 46.72	−57.47	30 25 34.8	+4 33.2	0.325454	17 34
12	8 30 49.25	58.14	+30 30 8.0	4 27.8	0.325173	17 34
13	8 29 51.11	58.74	30 34 35.8	4 22.2	0.324952	17 33
14	8 28 52.37	59.27	30 38 58.0	4 16.2	0.324792	17 33
15	8 27 53.10	59.75	30 43 14.2	4 10.1	0.324692	17 33
16	8 26 53.35	−60.18	30 47 24.3	+4 3.7	0.324654	17 33
17	8 25 53.17	60.53	+30 51 28.0	3 57.0	0.324678	17 32
18	8 24 52.64	60.82	30 55 25.0	3 50.0	0.324763	17 33
19	8 23 51.82	61.04	30 59 15.0	3 42.8	0.324910	17 33
20	8 22 50.78	61.19	31 2 57.8	3 35.3	0.325120	17 34
21	8 21 49.59	−61.28	31 6 33.1	+3 27.7	0.325391	17 34
22	8 20 48.31	61.28	+31 10 0.8	3 19.9	0.325724	17 35
☍ 23	8 19 47.03	61.22	31 13 20.7	3 11.8	0.326119	17 36
24	8 18 45.81	61.09	31 16 32.5	3 3.6	0.326575	17 37
25	8 17 44.72	60.87	31 19 36.1	2 55.2	0.327093	17 39
26	8 16 43.85	−60.58	31 22 31.3	+2 46.6	0.327672	17 40
27	8 15 43.27	60.24	+31 25 17.9	2 37.9	0.328311	17 42
28	8 14 43.03	59.86	31 27 55.8	2 29.2	0.329010	17 43
29	8 13 43.17	59.37	31 30 25.0	2 20.3	0.329768	17 45
30	8 12 43.80	58.84	31 32 45.3	2 11.4	0.330584	17 47
31	8 11 44.96	−58.24	31 34 56.7	+2 2.4	0.331458	17 49
Febr. 1	8 10 46.72	57.57	+31 36 59.1	1 53.5	0.332388	17 52
2	8 9 49.15	56.85	31 38 52.6	1 44.7	0.333375	17 54
3	8 8 52.30	56.07	31 40 37.3	1 35.9	0.334416	17 57
4	8 7 56.23	55.23	31 42 13.2	1 27.0	0.335511	17 59
5	8 7 1.00	−54.34	31 43 40.2	+1 18.3	0.336658	18 2
6	8 6 6.66	53.40	+31 44 58.5	1 9.4	0.337858	18 5
7	8 5 13.26	52.41	31 46 7.9	1 0.8	0.339109	18 8
8	8 4 20.85	51.37	31 47 8.7	0 52.2	0.340410	18 11
9	8 3 29.48	50.29	31 48 0.9	0 43.5	0.341759	18 15
10	8 2 39.19	−49.17	31 48 44.4	+0 35.1	0.343155	18 18
11	8 1 50.02	48.03	+31 49 19.5	0 26.7	0.344599	18 22
12	8 1 1.99		31 49 46.2		0.346089	18 26

Opp. in AR. Jan. 23 Größe = 11.1

P. Neugebauer.

(57) MNEMOSYNE 1906.

12^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Jan. 7	8 37 22.71	−39.92	−3 11 35.5	+0 26.7	0.331757	17 50
8	8 36 42.79	40.69	3 11 8.8	0 39.0	0.330819	17 48
9	8 36 2.10	41.42	3 10 29.8	0 51.3	0.329928	17 46
10	8 35 20.68	42.10	3 9 38.5	1 3.7	0.329087	17 44
11	8 34 38.58	−42.74	3 8 34.8	+1 16.0	0.328295	17 42
12	8 33 55.84	43.35	−3 7 18.8	1 28.3	0.327553	17 40
13	8 33 12.49	43.93	3 5 50.5	1 40.5	0.326862	17 38
14	8 32 28.56	44.45	3 4 10.0	1 52.7	0.326222	17 37
15	8 31 44.11	44.91	3 2 17.3	2 4.9	0.325633	17 35
16	8 30 59.20	−45.30	3 0 12.4	+2 17.1	0.325098	17 34
17	8 30 13.90	45.61	−2 57 55.3	2 29.2	0.324618	17 33
18	8 29 28.29	45.90	2 55 26.1	2 41.1	0.324194	17 32
19	8 28 42.39	46.16	2 52 45.0	2 52.9	0.323826	17 31
20	8 27 56.23	46.39	2 49 52.1	3 4.6	0.323515	17 30
21	8 27 9.84	−46.59	2 46 47.5	+3 16.1	0.323260	17 29
22	8 26 23.25	46.73	−2 43 31.4	3 27.4	0.323061	17 29
23	8 25 36.52	46.78	2 40 4.0	3 38.5	0.322918	17 29
☍ 24	8 24 49.74	46.78	2 36 25.5	3 49.5	0.322833	17 28
25	8 24 2.96	46.73	2 32 36.0	4 0.4	0.322806	17 28
26	8 23 16.23	−46.62	2 28 35.6	+4 11.0	0.322837	17 28
27	8 22 29.61	46.46	−2 24 24.6	4 21.2	0.322926	17 29
28	8 21 43.15	46.25	2 20 3.4	4 31.3	0.323073	17 29
29	8 20 56.90	45.99	2 15 32.1	4 41.0	0.323277	17 30
30	8 20 10.91	45.66	2 10 51.1	4 50.6	0.323539	17 30
31	8 19 25.25	−45.30	2 6 0.5	+4 59.8	0.323860	17 31
Febr. 1	8 18 39.95	44.89	−2 1 0.7	5 8.6	0.324239	17 32
2	8 17 55.06	44.42	1 55 52.1	5 17.3	0.324674	17 33
3	8 17 10.64	43.92	1 50 34.8	5 25.5	0.325165	17 34
4	8 16 26.72	43.36	1 45 9.3	5 33.4	0.325712	17 35
5	8 15 43.36	−42.75	1 39 35.9	+5 41.0	0.326315	17 37
6	8 15 0.61	42.09	−1 33 54.9	5 48.4	0.326973	17 38
7	8 14 18.52	41.40	1 28 6.5	5 55.5	0.327687	17 40
8	8 13 37.12	40.67	1 22 11.0	6 2.2	0.328454	17 42
9	8 12 56.45	39.91	1 16 8.8	6 8.5	0.329274	17 44
10	8 12 16.54	−39.11	1 10 0.3	+6 14.6	0.330148	17 46
11	8 11 37.43	38.26	−1 3 45.7	6 20.2	0.331074	17 48
12	8 10 59.17		0 57 25.5		0.332050	17 50

Opp. in AR. Jan. 24 Gröfse = 10.5

P. Neugebauer.

(17) THETIS 1906.

12ʰ Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Jan. 13	9 5 17.78	−48.22	+16 51 35.3	+5 30.0	0.242639	14 31
14	9 4 29.56	49.37	16 57 5.3	5 34.6	0.241179	14 28
15	9 3 40.19	50.47	17 2 39.9	5 39.0	0.239783	14 25
16	9 2 49.72	51.52	17 8 18.9	5 43.0	0.238451	14 22
17	9 1 58.20	−52.51	17 14 1.9	+5 46.7	0.237185	14 20
18	9 1 5.69	53.46	+17 19 48.6	5 50.0	0.235986	14 18
19	9 0 12.23	54.38	17 25 38.6	5 53.1	0.234855	14 16
20	8 59 17.85	55.22	17 31 31.7	5 55.8	0.233793	14 14
21	8 58 22.63	55.98	17 37 27.5	5 57.9	0.232802	14 12
22	8 57 26.65	−56.67	17 43 25.4	+5 59.7	0.231883	14 10
23	8 56 29.98	57.33	+17 49 25.1	6 1.2	0.231036	14 9
24	8 55 32.65	57.87	17 55 26.3	6 2.2	0.230263	14 7
25	8 54 34.78	58.38	18 1 28.5	6 2.8	0.229565	14 6
26	8 53 36.40	58.79	18 7 31.3	6 3.2	0.228942	14 5
27	8 52 37.61	−59.14	18 13 34.5	+6 3.2	0.228394	14 4
28	8 51 38.47	59.40	+18 19 37.7	6 2.6	0.227922	14 3
29	8 50 39.07	59.61	18 25 40.3	6 1.8	0.227525	14 2
☍ 30	8 49 39.46	59.73	18 31 42.1	6 0.5	0.227205	14 1
31	8 48 39.73	59.78	18 37 42.6	5 58.9	0.226961	14 1
Febr. 1	8 47 39.95	−59.76	18 43 41.5	+5 56.9	0.226793	14 0
2	8 46 40.19	59.66	+18 49 38.4	5 54.5	0.226702	14 0
3	8 45 40.53	59.49	18 55 32.9	5 51.9	0.226687	14 0
4	8 44 41.04	59.25	19 1 24.8	5 49.0	0.226748	14 0
5	8 43 41.79	58.93	19 7 13.8	5 45.7	0.226884	14 0
6	8 42 42.86	−58.55	19 12 59.5	+5 42.1	0.227094	14 1
7	8 41 44.31	58.11	+19 18 41.6	5 38.2	0.227379	14 2
8	8 40 46.20	57.59	19 24 19.8	5 33.8	0.227737	14 2
9	8 39 48.61	57.01	19 29 53.6	5 29.3	0.228169	14 3
10	8 38 51.60	56.36	19 35 22.9	5 24.6	0.228674	14 4
11	8 37 55.24	−55.66	19 40 47.5	+5 19.7	0.229250	14 5
12	8 36 59.58	54.89	+19 46 7.2	5 14.4	0.229896	14 6
13	8 36 4.69	54.04	19 51 21.6	5 9.0	0.230612	14 8
14	8 35 10.65	53.13	19 56 30.6	5 3.4	0.231396	14 9
15	8 34 17.52	52.16	20 1 34.0	4 57.5	0.232248	14 10
16	8 33 25.36	−51.11	20 6 31.5	+4 51.5	0.233166	14 12
17	8 32 34.25	50.01	+20 11 23.0	4 45.2	0.234149	14 14
18	8 31 44.24		20 16 8.2		0.235195	14 16

Opp. in AR. Jan. 30   Gröfse = 10.6

P. Neugebauer.

(199) BYBLIS 1906.

12ʰ Mittl. Zeit	AR. h m s	Diff. s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Aberr.-Zt. m s
Jan. 19	10 1 54.00	−34.88	+28 28 2.0	+7 47.2	0.399710	20 51
20	10 1 19.12	36.01	28 35 49.2	7 46.8	0.398492	20 48
21	10 0 43.11	37.11	28 43 36.0	7 46.1	0.397317	20 44
22	10 0 6.00	38.17	28 51 22.1	7 44.9	0.396187	20 41
23	9 59 27.83	−39.19	28 59 7.0	+7 43.3	0.395103	20 38
24	9 58 48.64	40.19	+29 6 50.3	7 41.3	0.394066	20 35
25	9 58 8.45	41.15	29 14 31.6	7 38.8	0.393076	20 32
26	9 57 27.30	42.08	29 22 10.4	7 36.0	0.392134	20 30
27	9 56 45.22	42.96	29 29 46.4	7 32.8	0.391242	20 27
28	9 56 2.26	−43.81	29 37 19.2	+7 29.3	0.390400	20 25
29	9 55 18.45	44.63	+29 44 48.5	7 25.5	0.389608	20 23
30	9 54 33.82	45.39	29 52 14.0	7 21.2	0.388866	20 21
31	9 53 48.43	46.10	29 59 35.2	7 16.4	0.388175	20 19
Febr. 1	9 53 2.33	46.78	30 6 51.6	7 11.3	0.387535	20 17
2	9 52 15.55	−47.40	30 14 2.9	+7 5.8	0.386947	20 15
3	9 51 28.15	47.96	+30 21 8.7	6 59.8	0.386411	20 14
4	9 50 40.19	48.48	30 28 8.5	6 53.6	0.385927	20 12
5	9 49 51.71	48.97	30 35 2.1	6 47.0	0.385496	20 11
6	9 49 2.74	49.42	30 41 49.1	6 40.1	0.385118	20 10
7	9 48 13.32	−49.79	30 48 29.2	+6 32.8	0.384793	20 9
8	9 47 23.53	50.12	+30 55 2.0	6 25.3	0.384521	20 8
9	9 46 33.41	50.40	31 1 27.3	6 17.4	0.384302	20 8
10	9 45 43.01	50.66	31 7 44.7	6 9.2	0.384136	20 7
11	9 44 52.35	50.85	31 13 53.9	6 0.8	0.384022	20 7
☍ 12	9 44 1.50	−50.96	31 19 54.7	+5 52.1	0.383961	20 7
13	9 43 10.54	51.05	+31 25 46.8	5 43.1	0.383952	20 7
14	9 42 19.49	51.08	31 31 29.9	5 33.7	0.383996	20 7
15	9 41 28.41	51.05	31 37 3.6	5 24.1	0.384092	20 7
16	9 40 37.36	50.96	31 42 27.7	5 14.3	0.384241	20 8
17	9 39 46.40	−50.82	31 47 42.0	+5 4.3	0.384441	20 8
18	9 38 55.58	50.63	+31 52 46.3	4 54.0	0.384693	20 9
19	9 38 4.95	50.38	31 57 40.3	4 43.5	0.384997	20 10
20	9 37 14.57	50.06	32 2 23.8	4 33.0	0.385351	20 11
21	9 36 24.51	49.70	32 6 56.8	4 22.3	0.385755	20 12
22	9 35 34.81	−49.29	32 11 19.1	+4 11.5	0.386209	20 13
23	9 34 45.52	48.81	+32 15 30.6	4 0.5	0.386712	20 14
24	9 33 56.71		32 19 31.1		0.387262	20 16

Opp. in AR. Febr. 12 Größe = 12.8

P. Neugebauer.

(118) PEITHO 1906.

12^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Jan. 23	10 5 16.98	−48.62	+26 24 38.0	+6 57.6	0.092428	10 17
24	10 4 28.36	50.27	26 31 35.6	6 54.2	0.091515	10 16
25	10 3 38.09	51.87	26 38 29.8	6 50.0	0.090684	10 14
26	10 2 46.22	53.39	26 45 19.8	6 45.0	0.089937	10 13
27	10 1 52.83	−54.83	26 52 4.8	+6 39.3	0.089274	10 12
28	10 0 58.00	56.18	+26 58 44.1	6 33.0	0.088696	10 11
29	10 0 1.82	57.45	27 5 17.1	6 25.9	0.088204	10 11
30	9 59 4.37	58.63	27 11 43.0	6 18.2	0.087800	10 10
31	9 58 5.74	59.71	27 18 1.2	6 9.8	0.087485	10 10
Febr. 1	9 57 6.03	−60.69	27 24 11.0	+6 0.8	0.087259	10 9
2	9 56 5.34	61.57	+27 30 11.8	5 51.2	0.087122	10 9
3	9 55 3.77	62.35	27 36 3.0	5 41.1	0.087074	10 9
4	9 54 1.42	63.03	27 41 44.1	5 30.3	0.087117	10 9
5	9 52 58.39	63.62	27 47 14.4	5 18.8	0.087251	10 9
6	9 51 54.77	−64.11	27 52 33.2	+5 6.9	0.087475	10 10
7	9 50 50.66	64.50	+27 57 40.1	4 54.5	0.087790	10 10
8	9 49 46.16	64.80	28 2 34.6	4 41.7	0.088195	10 11
9	9 48 41.36	64.99	28 7 16.3	4 28.5	0.088690	10 11
10	9 47 36.37	65.10	28 11 44.8	4 15.0	0.089275	10 12
11	9 46 31.27	−65.09	28 15 59.8	+4 1.0	0.089949	10 13
12	9 45 26.18	64.98	+28 20 0.8	3 46.8	0.090713	10 14
☍ 13	9 44 21.20	64.79	28 23 47.6	3 32.1	0.091565	10 16
14	9 43 16.41	64.51	28 27 19.7	3 17.1	0.092505	10 17
15	9 42 11.90	64.11	28 30 36.8	3 1.9	0.093533	10 18
16	9 41 7.79	−63.59	28 33 38.7	+2 46.4	0.094646	10 20
17	9 40 4.20	62.96	+28 36 25.1	2 30.8	0.095843	10 22
18	9 39 1.24	62.24	28 38 55.9	2 14.9	0.097123	10 23
19	9 37 59.00	61.42	28 41 10.8	1 58.9	0.098485	10 25
20	9 36 57.58	60.50	28 43 9.7	1 42.8	0.099929	10 27
21	9 35 57.08	−59.50	28 44 52.5	+1 26.8	0.101454	10 30
22	9 34 57.58	58.38	+28 46 19.3	1 10.8	0.103058	10 32
23	9 33 59.20	57.18	28 47 30.1	0 54.7	0.104740	10 34
24	9 33 2.02	55.91	28 48 24.8	0 38.7	0.106495	10 37
25	9 32 6.11	54.56	28 49 3.5	0 22.9	0.108323	10 40
26	9 31 11.55	−53.14	28 49 26.4	+0 7.1	0.110221	10 43
27	9 30 18.41	51.66	+28 49 33.5	−0 8.5	0.112189	10 45
28	9 29 26.75		28 49 25.0		0.114225	10 48

Opp. in AR. Febr. 13 Grofse = 10.8

P. Neugebauer.

(178) BELISANA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Febr. 8	10 45 40.41	−47.14	+11 8 6.9	+5 8.5	0.189902	12 51
9	10 44 53.27	48.27	11 13 15.4	5 12.6	0.188543	12 49
10	10 44 5.00	49.34	11 18 28.0	5 16.4	0.187253	12 47
11	10 43 15.66	50.34	11 23 44.4	5 19.6	0.186033	12 45
12	10 42 25.32	−51.30	11 29 4.0	+5 22.6	0.184885	12 43
13	10 41 34.02	52.21	+11 34 26.6	5 25.1	0.183811	12 41
14	10 40 41.81	53.04	11 39 51.7	5 27.1	0.182811	12 39
15	10 39 48.77	53.82	11 45 18.8	5 28.6	0.181887	12 38
16	10 38 54.95	54.52	11 50 47.4	5 29.7	0.181040	12 36
17	10 38 0.43	−55.16	11 56 17.1	+5 30.4	0.180272	12 35
18	10 37 5.27	55.73	+12 1 47.5	5 30.6	0.179583	12 34
19	10 36 9.54	56.22	12 7 18.1	5 30.4	0.178974	12 33
20	10 35 13.32	56.64	12 12 48.5	5 29.6	0.178445	12 32
21	10 34 16.68	56.99	12 18 18.1	5 28.3	0.177997	12 31
22	10 33 19.69	−57.25	12 23 46.4	+5 26.7	0.177631	12 30
23	10 32 22.44	57.43	+12 29 13.1	5 24.6	0.177346	12 30
24	10 31 25.01	57.54	12 34 37.7	5 22.0	0.177142	12 30
☍ 25	10 30 27.47	57.56	12 39 59.7	5 18.9	0.177019	12 29
26	10 29 29.91	57.48	12 45 18.6	5 15.4	0.176978	12 29
27	10 28 32.43	−57.32	12 50 34.0	+5 11.4	0.177019	12 29
28	10 27 35.11	57.12	+12 55 45.4	5 7.2	0.177142	12 30
März 1	10 26 37.99	56.85	13 0 52.6	5 2.4	0.177345	12 30
2	10 25 41.14	56.50	13 5 55.0	4 57.2	0.177628	12 30
3	10 24 44.64	56.09	13 10 52.2	4 51.6	0.177991	12 31
4	10 23 48.55	−55.59	13 15 43.8	+4 45.6	0.178434	12 32
5	10 22 52.96	55.02	+13 20 29.4	4 39.4	0.178955	12 33
6	10 21 57.94	54.36	13 25 8.8	4 32.9	0.179554	12 34
7	10 21 3.58	53.65	13 29 41.7	4 26.0	0.180230	12 35
8	10 20 9.93	52.88	13 34 7.7	4 18.9	0.180980	12 36
9	10 19 17.05	−52.07	13 38 26.6	+4 11.5	0.181804	12 38
10	10 18 24.98	51.17	+13 42 38.1	4 3.8	0.182701	12 39
11	10 17 33.81	50.23	13 46 41.9	3 56.0	0.183670	12 41
12	10 16 43.58	49.24	13 50 37.9	3 47.8	0.184709	12 43
13	10 15 54.34	48.17	13 54 25.7	3 39.5	0.185817	12 45
14	10 15 6.17	−47.04	13 58 5.2	+3 31.0	0.186991	12 47
15	10 14 19.13	45.86	+14 1 36.2	3 22.2	0.188230	12 49
16	10 13 33.27		14 4 58.4		0.189532	12 51

Opp. in AR. Febr. 25 Gröſse = 12.0

P. Neugebauer.

(154) BERTHA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Febr. 8	11 7 22.85	−49.38	+37 14 31.0	+5 24.5	0.321662	17 25
9	11 6 33.47	50.63	37 19 55.5	5 14.7	0.320922	17 23
10	11 5 42.84	51.83	37 25 10.2	5 4.4	0.320231	17 21
11	11 4 51.01	52.96	37 30 14.6	4 53.5	0.319591	17 20
12	11 3 58.05	−54.04	37 35 8.1	+4 42.2	0.319003	17 18
13	11 3 4.01	55.08	+37 39 50.3	4 30.3	0.318468	17 17
14	11 2 8.93	56.07	37 44 20.6	4 18.0	0.317985	17 16
15	11 1 12.86	56.99	37 48 38.6	4 5.2	0.317555	17 15
16	11 0 15.87	57.83	37 52 43.8	3 52.0	0.317179	17 14
17	10 59 18.04	−58.60	37 56 35.8	+3 38.3	0.316857	17 14
18	10 58 19.44	59.32	+38 0 14.1	3 24.3	0.316588	17 13
19	10 57 20.12	59.97	38 3 38.4	3 9.9	0.316374	17 13
20	10 56 20.15	60.54	38 6 48.3	2 55.2	0.316215	17 12
21	10 55 19.61	61.04	38 9 43.5	2 40.1	0.316110	17 12
22	10 54 18.57	−61.48	38 12 23.6	+2 24.7	0.316060	17 12
23	10 53 17.09	61.86	+38 14 48.3	2 9.1	0.316064	17 12
24	10 52 15.23	62.14	38 16 57.4	1 53.0	0.316123	17 12
25	10 51 13.09	62.34	38 18 50.4	1 36.7	0.316236	17 13
26	10 50 10.75	62.48	38 20 27.1	1 20.2	0.316403	17 13
27	10 49 8.27	−62.54	38 21 47.3	+1 3.6	0.316625	17 13
28	10 48 5.73	62.51	+38 22 50.9	0 46.7	0.316900	17 14
☍ März 1	10 47 3.22	62.40	38 23 37.6	0 29.7	0.317228	17 15
2	10 46 0.82	62.20	38 24 7.3	+0 12.6	0.317609	17 16
3	10 44 58.62	61.93	38 24 19.9	−0 4.4	0.318041	17 17
4	10 43 56.69	−61.61	38 24 15.5	−0 21.6	0.318525	17 18
5	10 42 55.08	61.23	+38 23 53.9	0 38.7	0.319060	17 19
6	10 41 53.85	60.75	38 23 15.2	0 55.8	0.319645	17 21
7	10 40 53.10	60.21	38 22 19.4	1 12.8	0.320280	17 22
8	10 39 52.89	59.62	38 21 6.6	1 29.7	0.320965	17 24
9	10 38 53.27	−58.97	38 19 36.9	−1 46.6	0.321698	17 26
10	10 37 54.30	58.27	+38 17 50.3	2 3.4	0.322479	17 27
11	10 36 56.03	57.49	38 15 46.9	2 20.2	0.323307	17 29
12	10 35 58.54	56.64	38 13 26.7	2 36.9	0.324181	17 32
13	10 35 1.90	55.76	38 10 49.8	2 53.5	0.325101	17 34
14	10 34 6.14	−54.80	38 7 56.3	−3 9.9	0.326065	17 36
15	10 33 11.34	53.78	+38 4 46.4	3 26.2	0.327072	17 39
16	10 32 17.56		38 1 20.2		0.328121	17 41

Opp. in AR. März 1 Gröfse = 11.0

P. Neugebauer.

(170) MARIA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Febr. 28	11 43 18.19	−54.97	−18 7 3.8	−1 39.2	0.205120	13 19
März 1	11 42 23.22	55.87	18 8 43.0	1 23.3	0.203956	13 17
2	11 41 27.35	56.71	18 10 6.3	1 7.3	0.202855	13 15
3	11 40 30.64	57.48	18 11 13.6	0 51.3	0.201817	13 14
4	11 39 33.16	−58.17	18 12 4.9	−0 35.4	0.200844	13 12
5	11 38 34.99	58.79	−18 12 40.3	0 19.6	0.199936	13 10
6	11 37 36.20	59.35	18 12 59.9	−0 3.8	0.199095	13 8
7	11 36 36.85	59.83	18 13 3.7	+0 12.0	0.198322	13 7
8	11 35 37.02	60.24	18 12 51.7	0 27.6	0.197617	13 6
9	11 34 36.78	−60.59	18 12 24.1	+0 43.0	0.196982	13 5
10	11 33 36.19	60.87	−18 11 41.1	0 58.2	0.196416	13 4
11	11 32 35.32	61.08	18 10 42.9	1 13.3	0.195920	13 3
12	11 31 34.24	61.21	18 9 29.6	1 28.3	0.195496	13 2
☍ 13	11 30 33.03	61.27	18 8 1.3	1 42.9	0.195143	13 1
14	11 29 31.76	−61.26	18 6 18.4	+1 57.2	0.194862	13 1
15	11 28 30.50	61.18	−18 4 21.2	2 11.3	0.194653	13 0
16	11 27 29.32	61.02	18 2 9.9	2 25.1	0.194516	13 0
17	11 26 28.30	60.77	17 59 44.8	2 38.6	0.194452	13 0
18	11 25 27.53	60.46	17 57 6.2	2 51.7	0.194460	13 0
19	11 24 27.07	−60.06	17 54 14.5	+3 4.5	0.194542	13 0
20	11 23 27.01	59.60	−17 51 10.0	3 17.0	0.194698	13 0
21	11 22 27.41	59.05	17 47 53.0	3 28.8	0.194926	13 1
22	11 21 28.36	58.44	17 44 24.2	3 40.4	0.195228	13 1
23	11 20 29.92	57.76	17 40 43.8	3 51.4	0.195602	13 2
24	11 19 32.16	−57.00	17 36 52.4	+4 2.2	0.196048	13 3
25	11 18 35.16	56.18	−17 32 50.2	4 12.2	0.196565	13 4
26	11 17 38.98	55.27	17 28 38.0	4 22.0	0.197152	13 5
27	11 16 43.71	54.31	17 24 16.0	4 31.0	0.197810	13 6
28	11 15 49.40	53.30	17 19 45.0	4 39.6	0.198538	13 7
29	11 14 56.10	−52.22	17 15 5.4	+4 47.3	0.199334	13 9
30	11 14 3.88	51.07	−17 10 18.1	4 54.4	0.200198	13 10
31	11 13 12.81	49.89	17 5 23.7	5 1.0	0.201128	13 12
April 1	11 12 22.92	48.66	17 0 22.7	5 7.3	0.202123	13 14
2	11 11 34.26	47.37	16 55 15.4	5 13.0	0.203182	13 16
3	11 10 46.89	−46.01	16 50 2.4	+5 18.2	0.204304	13 18
4	11 10 0.88	44.61	−16 44 44.2	5 23.0	0.205488	13 20
5	11 9 16.27		16 39 21.2		0.206734	13 22

Opp. in AR. März 13 Gröſse = 11.7

P. Neugebauer.

(149) MEDUSA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
März 16	12 54 17.51	−51.30	−5 0 19.8	+5 57.9	0.118744	10 55
17	12 53 26.21	52.44	4 54 21.9	6 4.8	0.117531	10 53
18	12 52 33.77	53.48	4 48 17.1	6 11.2	0.116398	10 52
19	12 51 40.29	54.44	4 42 5.9	6 17.3	0.115347	10 50
20	12 50 45.85	−55.33	4 35 48.6	+6 22.8	0.114379	10 49
21	12 49 50.52	56.14	−4 29 25.8	6 27.7	0.113495	10 47
22	12 48 54.38	56.89	4 22 58.1	6 32.2	0.112695	10 46
23	12 47 57.49	57.55	4 16 25.9	6 36.2	0.111982	10 45
24	12 46 59.94	58.12	4 9 49.7	6 39.7	0.111357	10 44
25	12 46 1.82	−58.61	4 3 10.0	+6 42.7	0.110820	10 43
26	12 45 3.21	59.04	−3 56 27.3	6 45.0	0.110373	10 43
27	12 44 4.17	59.38	3 49 42.3	6 46.9	0.110018	10 42
28	12 43 4.79	59.62	3 42 55.4	6 48.1	0.109754	10 42
29	12 42 5.17	59.76	3 36 7.3	6 48.7	0.109581	10 42
30	12 41 5.41	−59.81	3 29 18.6	+6 48.8	0.109498	10 41
☍ 31	12 40 5.60	59.78	−3 22 29.8	6 48.2	0.109506	10 41
April 1	12 39 5.82	59.70	3 15 41.6	6 47.2	0.109604	10 42
2	12 38 6.12	59.52	3 8 54.4	6 45.5	0.109793	10 42
3	12 37 6.60	59.24	3 2 8.9	6 43.4	0.110072	10 42
4	12 36 7.36	−58.91	2 55 25.5	+6 40.6	0.110441	10 43
5	12 35 8.45	58.50	−2 48 44.9	6 37.4	0.110900	10 44
6	12 34 9.95	58.00	2 42 7.5	6 33.7	0.111447	10 44
7	12 33 11.95	57.42	2 35 33.8	6 29.6	0.112081	10 45
8	12 32 14.53	56.78	2 29 4.2	6 24.8	0.112801	10 46
9	12 31 17.75	−56.08	2 22 39.4	+6 19.6	0.113606	10 48
10	12 30 21.67	55.30	−2 16 19.8	6 14.0	0.114496	10 49
11	12 29 26.37	54.45	2 10 5.8	6 7.9	0.115469	10 50
12	12 28 31.92	53.54	2 3 57.9	6 1.3	0.116524	10 52
13	12 27 38.38	52.58	1 57 56.6	5 54.3	0.117660	10 54
14	12 26 45.80	−51.54	1 52 2.3	+5 46.9	0.118875	10 56
15	12 25 54.26	50.42	−1 46 15.4	5 39.2	0.120169	10 58
16	12 25 3.84	49.27	1 40 36.2	5 30.9	0.121539	11 0
17	12 24 14.57	48.06	1 35 5.3	5 22.4	0.122985	11 2
18	12 23 26.51	46.79	1 29 42.9	5 13.5	0.124503	11 4
19	12 22 39.72	−45.46	1 24 29.4	+5 4.2	0.126093	11 6
20	12 21 54.26	44.08	−1 19 25.2	4 54.6	0.127754	11 9
21	12 21 10.18		1 14 30.6		0.129483	11 12

Opp. in AR. März 31 Grofse = 13.3

P. Neugebauer.

(65) CYBELE 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
April 21	15h 8m 16.86s	−37.76s	−12° 54′ 37.9″	+3′ 37.3″	0.335996	18m 0s
22	15 7 39.10	38.44	12 51 0.6	3 38.6	0.335046	17 58
23	15 7 0.66	39.08	12 47 22.0	3 39.8	0.334149	17 56
24	15 6 21.58	39.67	12 43 42.2	3 40.9	0.333305	17 54
25	15 5 41.91	−40.23	12 40 1.3	+3 41.6	0.332515	17 52
26	15 5 1.68	40.74	−12 36 19.7	3 42.1	0.331779	17 50
27	15 4 20.94	41.20	12 32 37.6	3 42.3	0.331098	17 48
28	15 3 39.74	41.62	12 28 55.3	3 42.4	0.330472	17 47
29	15 2 58.12	41.98	12 25 12.9	3 42.4	0.329902	17 46
30	15 2 16.14	−42.29	12 21 30.5	+3 42.1	0.329387	17 44
Mai 1	15 1 33.85	42.56	−12 17 48.4	3 41.6	0.328929	17 43
2	15 0 51.29	42.80	12 14 6.8	3 40.8	0.328529	17 42
3	15 0 8.49	42.98	12 10 26.0	3 39.9	0.328185	17 41
4	14 59 25.51	43.12	12 6 46.1	3 38.8	0.327898	17 41
5	14 58 42.39	−43.22	12 3 7.3	+3 37.4	0.327668	17 40
6	14 57 59.17	43.28	−11 59 29.9	3 35.8	0.327496	17 40
☍ 7	14 57 15.89	43.28	11 55 54.1	3 33.9	0.327381	17 39
8	14 56 32.61	43.24	11 52 20.2	3 31.9	0.327323	17 39
9	14 55 49.37	43.16	11 48 48.3	3 29.7	0.327322	17 39
10	14 55 6.21	−43.02	11 45 18.6	+3 27.2	0.327378	17 39
11	14 54 23.19	42.85	−11 41 51.4	3 24.6	0.327490	17 40
12	14 53 40.34	42.65	11 38 26.8	3 21.8	0.327659	17 40
13	14 52 57.69	42.40	11 35 5.0	3 18.8	0.327885	17 41
14	14 52 15.29	42.10	11 31 46.2	3 15.6	0.328168	17 41
15	14 51 33.19	−41.76	11 28 30.6	+3 12.2	0.328507	17 42
16	14 50 51.43	41.36	−11 25 18.4	3 8.6	0.328902	17 43
17	14 50 10.07	40.93	11 22 9.8	3 4.8	0.329352	17 44
18	14 49 29.14	40.47	11 19 5.0	3 0.8	0.329858	17 45
19	14 48 48.67	39.95	11 16 4.2	2 56.5	0.330418	17 47
20	14 48 8.72	−39.39	11 13 7.7	+2 52.1	0.331031	17 48
21	14 47 29.33	38.77	−11 10 15.6	2 47.4	0.331697	17 50
22	14 46 50.56	38.12	11 7 28.2	2 42.7	0.332415	17 52
23	14 46 12.44	37.43	11 4 45.5	2 37.8	0.333185	17 54
24	14 45 35.01	36.71	11 2 7.7	2 32.6	0.334006	17 56
25	14 44 58.30	−35.94	10 59 35.1	+2 27.3	0.334877	17 58
26	14 44 22.36	35.12	−10 57 7.8	2 22.0	0.335797	18 0
27	14 43 47.24		10 54 45.8		0.336766	18 3

Opp. in AR. Mai 7   Gröfse = 10.5

P. Neugebauer.

(148) GALLIA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
April 17	15 30 7.75	−37.28	+16 11 5.6	+8 2.8	0.385513	20 11
18	15 29 30.47	38.20	16 19 8.4	7 53.4	0.384835	20 9
19	15 28 52.27	39.09	16 27 1.8	7 43.8	0.384199	20 7
20	15 28 13.18	39.94	16 34 45.6	7 33.7	0.383605	20 6
21	15 27 33.24	−40.74	16 42 19.3	+7 23.2	0.383053	20 4
22	15 26 52.50	41.49	+16 49 42.5	7 12.4	0.382543	20 3
23	15 26 11.01	42.22	16 56 54.9	7 1.3	0.382075	20 2
24	15 25 28.79	42.90	17 3 56.2	6 49.8	0.381650	20 0
25	15 24 45.89	43.54	17 10 46.0	6 37.8	0.381268	19 59
26	15 24 2.35	−44.14	17 17 23.8	+6 25.5	0.380930	19 58
27	15 23 18.21	44.71	+17 23 49.3	6 12.9	0.380636	19 58
28	15 22 33.50	45.23	17 30 2.2	6 0.1	0.380386	19 57
29	15 21 48.27	45.71	17 36 2.3	5 47.0	0.380180	19 56
30	15 21 2.56	46.15	17 41 49.3	5 33.7	0.380018	19 56
Mai 1	15 20 16.41	−46.55	17 47 23.0	+5 20.1	0.379901	19 56
2	15 19 29.86	46.91	+17 52 43.1	5 6.3	0.379828	19 55
3	15 18 42.95	47.21	17 57 49.4	4 52.3	0.379799	19 55
4	15 17 55.74	47.48	18 2 41.7	4 38.1	0.379813	19 55
5	15 17 8.26	47.70	18 7 19.8	4 23.7	0.379870	19 55
6	15 16 20.56	−47.88	18 11 43.5	+4 9.1	0.379970	19 56
7	15 15 32.68	48.02	+18 15 52.6	3 54.4	0.380114	19 56
8	15 14 44.66	48.13	18 19 47.0	3 39.5	0.380300	19 57
9	15 13 56.53	48.18	18 23 26.5	3 24.5	0.380529	19 57
10	15 13 8.35	48.20	18 26 51.0	3 9.3	0.380801	19 58
☍ 11	15 12 20.15	−48.16	18 30 0.3	+2 54.1	0.381115	19 59
12	15 11 31.99	48.08	+18 32 54.4	2 38.7	0.381470	20 0
13	15 10 43.91	47.96	18 35 33.1	2 23.2	0.381867	20 1
14	15 9 55.95	47.80	18 37 56.3	2 7.7	0.382306	20 2
15	15 9 8.15	47.60	18 40 4.0	1 52.2	0.382786	20 4
16	15 8 20.55	−47.35	18 41 56.2	+1 36.5	0.383306	20 5
17	15 7 33.20	47.06	+18 43 32.7	1 20.8	0.383867	20 6
18	15 6 46.14	46.72	18 44 53.5	1 5.1	0.384467	20 8
19	15 5 59.42	46.34	18 45 58.6	0 49.4	0.385107	20 10
20	15 5 13.08	45.92	18 46 48.0	0 33.7	0.385786	20 12
21	15 4 27.16	−45.46	18 47 21.7	+0 18.0	0.386503	20 14
22	15 3 41.70	44.95	+18 47 39.7	0 2.3	0.387258	20 16
23	15 2 56.75		18 47 42.0		0.388050	20 18

Opp. in AR. Mai 11 Gröfse = 12.0

P. Neugebauer.

(71) NIOBE 1906.

12h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
		h m s	s	° ′ ″	′ ″		m s
Mai	11	16 3 44.04	−77.14	−59 10 37.4	−0 21.4	0.158202	11 57
	12	16 2 26.90	78.47	59 10 58.8	+0 5.9	0.157270	11 55
	13	16 1 8.43	79.64	59 10 52.9	0 33.6	0.156387	11 54
	14	15 59 48.79	80.66	59 10 19.3	1 1.3	0.155555	11 52
	15	15 58 28.13	−81.52	59 9 18.0	+1 29.1	0.154775	11 51
	16	15 57 6.61	82.20	−59 7 48.9	1 57.0	0.154048	11 50
	17	15 55 44.41	82.72	59 5 51.9	2 25.1	0.153374	11 49
	18	15 54 21.69	83.08	59 3 26.8	2 53.1	0.152754	11 48
	19	15 52 58.61	83.26	59 0 33.7	3 21.2	0.152189	11 47
	20	15 51 35.35	−83.27	58 57 12.5	+3 49.3	0.151679	11 46
	☍ 21	15 50 12.08	83.09	−58 53 23.2	4 17.3	0.151227	11 46
	22	15 48 48.99	82.73	58 49 5.9	4 45.1	0.150834	11 46
	23	15 47 26.26	82.21	58 44 20.8	5 12.7	0.150501	11 45
	24	15 46 4.05	81.52	58 39 8.1	5 40.1	0.150225	11 45
	25	15 44 42.53	−80.64	58 33 28.0	+6 7.4	0.150009	11 44
	26	15 43 21.89	79.66	−58 27 20.6	6 34.3	0.149849	11 44
	27	15 42 2.23	78.48	58 20 46.3	7 0.4	0.149749	11 44
	28	15 40 43.75	77.15	58 13 45.9	7 25.9	0.149708	11 44
	29	15 39 26.60	75.70	58 6 20.0	7 50.9	0.149726	11 44
	30	15 38 10.90	−74.12	57 58 29.1	+8 15.3	0.149802	11 44
	31	15 36 56.78	72.43	−57 50 13.8	8 39.0	0.149936	11 44
Juni	1	15 35 44.35	70.61	57 41 34.8	9 2.1	0.150137	11 44
	2	15 34 33.74	68.68	57 32 32.7	9 24.6	0.150397	11 45
	3	15 33 25.06	66.67	57 23 8.1	9 46.3	0.150716	11 45
	4	15 32 18.39	−64.54	57 13 21.8	+10 7.4	0.151094	11 46
	5	15 31 13.85	62.32	−57 3 14.4	10 27.8	0.151530	11 46
	6	15 30 11.53	60.01	56 52 46.6	10 47.4	0.152026	11 47
	7	15 29 11.52	57.63	56 41 59.2	11 6.4	0.152582	11 48
	8	15 28 13.89	55.20	56 30 52.8	11 24.6	0.153196	11 49
	9	15 27 18.69	−52.70	56 19 28.2	+11 41.8	0.153868	11 50
	10	15 26 25.99	50.15	−56 7 46.4	11 58.3	0.154598	11 51
	11	15 25 35.84	47.55	55 55 48.1	12 14.0	0.155385	11 52
	12	15 24 48.29	44.91	55 43 34.1	12 29.0	0.156228	11 53
	13	15 24 3.38	42.23	55 31 5.1	12 43.3	0.157128	11 55
	14	15 23 21.15	−39.54	55 18 21.8	+12 56.5	0.158084	11 56
	15	15 22 41.61	36.82	−55 5 25.3	13 8.9	0.159097	11 58
	16	15 22 4.79		54 52 16.4		0.160166	12 0

Opp. in AR. Mai 21 Gröſse = 9.9

P. Neugebauer.

(190) ISMENE 1906.

12^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
Mai 3	$16^h\ 8^m\ 21^s.15$	−33.47	−13° 56′ 45″.8	+2′ 36″.3	0.530064	$28^m\ 9^s$
4	16 7 47.68	33.96	13 54 9.5	2 36.1	0.529519	28 7
5	16 7 13.72	34.41	13 51 33.4	2 35.8	0.529009	28 5
6	16 6 39.31	34.83	13 48 57.6	2 35.4	0.528534	28 4
7	16 6 4.48	−35.23	13 46 22.2	+2 34.8	0.528094	28 2
8	16 5 29.25	35.60	−13 43 47.4	2 34.2	0.527690	28 0
9	16 4 53.65	35.94	13 41 13.2	2 33.5	0.527323	27 59
10	16 4 17.71	36.27	13 38 39.7	2 32.7	0.526993	27 58
11	16 3 41.44	36.56	13 36 7.0	2 31.7	0.526700	27 56
12	16 3 4.88	−36.82	13 33 35.3	+2 30.8	0.526444	27 55
13	16 2 28.06	37.07	−13 31 4.5	2 29.8	0.526225	27 54
14	16 1 50.99	37.28	13 28 34.7	2 28.8	0.526044	27 54
15	16 1 13.71	37.47	13 26 5.9	2 27.6	0.525901	27 53
16	16 0 36.24	37.62	13 23 38.3	2 26.2	0.525797	27 53
17	15 59 58.62	−37.74	13 21 12.1	+2 24.8	0.525731	27 53
18	15 59 20.88	37.83	−13 18 47.3	2 23.2	0.525702	27 53
19	15 58 43.05	37.90	13 16 24.1	2 21.6	0.525712	27 52
20	15 58 5.15	37.93	13 14 2.5	2 19.9	0.525760	27 53
21	15 57 27.22	37.93	13 11 42.6	2 18.1	0.525847	27 53
☍ 22	15 56 49.29	−37.91	13 9 24.5	+2 16.2	0.525974	27 54
23	15 56 11.38	37.84	−13 7 8.3	2 14.2	0.526139	27 54
24	15 55 33.54	37.75	13 4 54.1	2 12.0	0.526342	27 55
25	15 54 55.79	37.63	13 2 42.1	2 9.8	0.526583	27 56
26	15 54 18.16	37.48	13 0 32.3	2 7.5	0.526863	27 57
27	15 53 40.68	−37.30	12 58 24.8	+2 5.1	0.527181	27 58
28	15 53 3.38	37.10	−12 56 19.7	2 2.7	0.527537	27 59
29	15 52 26.28	36.85	12 54 17.0	2 0.0	0.527930	28 1
30	15 51 49.43	36.59	12 52 17.0	1 57.2	0.528359	28 3
31	15 51 12.84	36.30	12 50 19.8	1 54.4	0.528825	28 5
Juni 1	15 50 36.54	−36.00	12 48 25.4	+1 51.6	0.529327	28 7
2	15 50 0.54	35.65	−12 46 33.8	1 48.7	0.529865	28 9
3	15 49 24.89	35.29	12 44 45.1	1 45.7	0.530439	28 11
4	15 48 49.60	34.90	12 42 59.4	1 42.6	0.531049	28 13
5	15 48 14.70	34.50	12 41 16.8	1 39.5	0.531694	28 16
6	15 47 40.20	−34.08	12 39 37.3	+1 36.4	0.532373	28 18
7	15 47 6.12	33.64	−12 38 0.9	1 33.2	0.533086	28 21
8	15 46 32.48		12 36 27.7		0.533831	28 24

Opp. in AR. Mai 22 Gröfse = 12.5

P. Neugebauer.

(92) UNDINE 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Mai 5	16 6 53.98	−41.71	−10 12 29.7	+1 29.2	0.339761	18 10
6	16 6 12.27	42.47	10 11 0.5	1 26.7	0.338752	18 7
7	16 5 29.80	43.19	10 9 33.8	1 24.0	0.337792	18 5
8	16 4 46.61	43.90	10 8 9.8	1 21.1	0.336880	18 3
9	16 4 2.71	−44.54	10 6 48.7	+1 18.2	0.336020	18 0
10	16 3 18.17	45.10	−10 5 30.5	1 15.3	0.335209	17 58
11	16 2 33.07	45.62	10 4 15.2	1 12.3	0.334452	17 57
12	16 1 47.45	46.10	10 3 2.9	1 9.3	0.333749	17 55
13	16 1 1.35	46.52	10 1 53.6	1 5.8	0.333101	17 53
14	16 0 14.83	−46.94	10 0 47.8	+1 2.5	0.332507	17 52
15	15 59 27.89	47.29	−9 59 45.3	0 59.0	0.331970	17 50
16	15 58 40.60	47.61	9 58 46.3	0 55.4	0.331488	17 49
17	15 57 52.99	47.86	9 57 50.9	0 51.5	0.331063	17 48
18	15 57 5.13	48.08	9 56 59.4	0 47.5	0.330696	17 47
19	15 56 17.05	−48.25	9 56 11.9	+0 43.3	0.330384	17 46
20	15 55 28.80	48.33	−9 55 28.6	0 39.2	0.330128	17 46
21	15 54 40.47	48.38	9 54 49.4	0 34.8	0.329929	17 45
☍ 22	15 53 52.09	48.42	9 54 14.6	0 30.4	0.329787	17 45
23	15 53 3.67	48.40	9 53 44.2	0 25.8	0.329703	17 45
24	15 52 15.27	−48.32	9 53 18.4	+0 21.2	0.329675	17 45
25	15 51 26.95	48.19	−9 52 57.2	0 16.4	0.329705	17 45
26	15 50 38.76	47.97	9 52 40.8	0 11.6	0.329791	17 45
27	15 49 50.79	47.75	9 52 29.2	0 6.6	0.329935	17 45
28	15 49 3.04	47.48	9 52 22.6	+0 1.6	0.330134	17 46
29	15 48 15.56	−47.14	9 52 21.0	−0 3.5	0.330388	17 47
30	15 47 28.42	46.79	−9 52 24.5	0 8.8	0.330699	17 47
31	15 46 41.63	46.35	9 52 33.3	0 14.0	0.331063	17 48
Juni 1	15 45 55.28	45.90	9 52 47.3	0 19.4	0.331481	17 49
2	15 45 9.38	45.37	9 53 6.7	0 24.8	0.331954	17 50
3	15 44 24.01	−44.84	9 53 31.5	−0 30.3	0.332479	17 52
4	15 43 39.17	44.22	−9 54 1.8	0 35.7	0.333055	17 53
5	15 42 54.95	43.60	9 54 37.5	0 41.1	0.333684	17 55
6	15 42 11.35	42.94	9 55 18.6	0 46.6	0.334366	17 56
7	15 41 28.41	42.24	9 56 5.2	0 52.2	0.335097	17 58
8	15 40 46.17	−41.52	9 56 57.4	−0 57.7	0.335878	18 0
9	15 40 4.65	40.77	−9 57 55.1	1 3.1	0.336710	18 2
10	15 39 23.88		9 58 58.2		0.337590	18 4

Opp. in AR. Mai 22 Gröſse = 10.8

F. Anderson.

(106) DIONE 1906.

12^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Mai 11	16 31 47.71	−43.09	−22 1 20.0	+0 34.7	0.413582	21 32
12	16 31 4.62	43.80	22 0 45.3	0 36.7	0.412602	21 29
13	16 30 20.82	44.48	22 0 8.6	0 38.7	0.411665	21 26
14	16 29 36.34	45.11	21 59 29.9	0 40.7	0.410772	21 24
15	16 28 51.23	−45.69	21 58 49.2	+0 42.6	0.409925	21 21
16	16 28 5.54	46.24	−21 58 6.6	0 44.5	0.409123	21 19
17	16 27 19.30	46.75	21 57 22.1	0 46.5	0.408368	21 16
18	16 26 32.55	47.21	21 56 35.6	0 48.3	0.407660	21 14
19	16 25 45.34	47.63	21 55 47.3	0 50.1	0.406999	21 12
20	16 24 57.71	−48.01	21 54 57.2	+0 51.9	0.406386	21 11
21	16 24 9.70	48.35	−21 54 5.3	0 53.6	0.405822	21 9
22	16 23 21.35	48.65	21 53 11.7	0 55.2	0.405307	21 8
23	16 22 32.70	48.88	21 52 16.5	0 56.6	0.404841	21 6
24	16 21 43.82	49.08	21 51 19.9	0 58.0	0.404425	21 5
25	16 20 54.74	−49.22	21 50 21.9	+0 59.3	0.404059	21 4
26	16 20 5.52	49.34	−21 49 22.6	1 0.6	0.403743	21 3
27	16 19 16.18	49.40	21 48 22.0	1 1.7	0.403477	21 2
☍ 28	16 18 26.78	49.42	21 47 20.3	1 2.8	0.403262	21 2
29	16 17 37.36	49.39	21 46 17.5	1 3.9	0.403097	21 1
30	16 16 47.97	−49.32	21 45 13.6	+1 4.8	0.402982	21 1
31	16 15 58.65	49.21	−21 44 8.8	1 5.6	0.402917	21 1
Juni 1	16 15 9.44	49.06	21 43 3.2	1 6.4	0.402902	21 1
2	16 14 20.38	48.86	21 41 56.8	1 7.1	0.402936	21 1
3	16 13 31.52	48.62	21 40 49.7	1 7.6	0.403020	21 1
4	16 12 42.90	−48.34	21 39 42.1	+1 8.1	0.403154	21 1
5	16 11 54.56	48.00	−21 38 34.0	1 8.4	0.403338	21 2
6	16 11 6.56	47.63	21 37 25.6	1 8.7	0.403570	21 3
7	16 10 18.93	47.23	21 36 16.9	1 8.8	0.403850	21 4
8	16 9 31.70	46.80	21 35 8.1	1 8.8	0.404179	21 4
9	16 8 44.90	−46.32	21 33 59.3	+1 8.6	0.404555	21 5
10	16 7 58.58	45.79	−21 32 50.7	1 8.4	0.404979	21 7
11	16 7 12.79	45.24	21 31 42.3	1 8.0	0.405450	21 8
12	16 6 27.55	44.66	21 30 34.3	1 7.6	0.405967	21 9
13	16 5 42.89	44.03	21 29 26.7	1 7.0	0.406530	21 11
14	16 4 58.86	−43.36	21 28 19.7	+1 6.2	0.407138	21 13
15	16 4 15.50	42.67	−21 27 13.5	1 5.2	0.407791	21 15
16	16 3 32.83		21 26 8.3		0.408489	21 17

Opp. in AR. Mai 28 Gröſse = 12.0

P. Neugebauer.

(270) ANAHITA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
Mai 15	16h 48m 19s.07	−52.16	−23° 11′ 27.8″	+2 44.5	0.063490	9m 37s
16	16 47 26.91	53.68	23 8 43.3	2 49.6	0.061372	9 34
17	16 46 33.23	55.14	23 5 53.7	2 54.6	0.059330	9 31
18	16 45 38.09	56.53	23 2 59.1	2 59.5	0.057366	9 29
19	16 44 41.56	−57.84	22 59 59.6	+3 4.4	0.055481	9 26
20	16 43 43.72	59.06	−22 56 55.2	3 9.2	0.053674	9 24
21	16 42 44.66	60.19	22 53 46.0	3 14.0	0.051950	9 22
22	16 41 44.47	61.24	22 50 32.0	3 18.6	0.050311	9 20
23	16 40 43.23	62.20	22 47 13.4	3 23.2	0.048760	9 18
24	16 39 41.03	−63.06	22 43 50.2	+3 27.6	0.047300	9 16
25	16 38 37.97	63.82	−22 40 22.6	3 31.7	0.045929	9 14
26	16 37 34.15	64.48	22 36 50.9	3 35.6	0.044649	9 13
27	16 36 29.67	65.05	22 33 15.3	3 39.5	0.043459	9 11
28	16 35 24.62	65.53	22 29 35.8	3 43.1	0.042363	9 10
29	16 34 19.09	−65.90	22 25 52.7	+3 46.2	0.041360	9 8
30	16 33 13.19	66.16	−22 22 6.5	3 49.1	0.040451	9 7
☍ 31	16 32 7.03	66.32	22 18 17.4	3 51.9	0.039637	9 6
Juni 1	16 31 0.71	66.38	22 14 25.5	3 54.5	0.038918	9 5
2	16 29 54.33	66.33	22 10 31.0	3 56.8	0.038295	9 4
3	16 28 48.00	−66.18	22 6 34.2	+3 58.7	0.037768	9 4
4	16 27 41.82	65.94	−22 2 35.5	4 0.4	0.037337	9 3
5	16 26 35.88	65.61	21 58 35.1	4 1.7	0.037002	9 3
6	16 25 30.27	65.19	21 54 33.4	4 2.8	0.036762	9 3
7	16 24 25.08	64.66	21 50 30.6	4 3.4	0.036618	9 2
8	16 23 20.42	−64.05	21 46 27.2	+4 3.8	0.036569	9 2
9	16 22 16.37	63.34	−21 42 23.4	4 4.0	0.036614	9 3
10	16 21 13.03	62.54	21 38 19.4	4 3.8	0.036753	9 3
11	16 20 10.49	61.66	21 34 15.6	4 3.2	0.036986	9 3
12	16 19 8.83	60.68	21 30 12.4	4 2.2	0.037311	9 3
13	16 18 8.15	−59.61	21 26 10.2	+4 0.9	0.037727	9 4
14	16 17 8.54	58.45	−21 22 9.3	3 59.2	0.038234	9 4
15	16 16 10.09	57.20	21 18 10.1	3 57.2	0.038831	9 5
16	16 15 12.89	55.87	21 14 12.9	3 54.9	0.039516	9 6
17	16 14 17.02	54.47	21 10 18.0	3 52.2	0.040287	9 7
18	16 13 22.55	−52.97	21 6 25.8	+3 49.2	0.041144	9 8
19	16 12 29.58	51.37	−21 2 36.6	3 46.0	0.042085	9 9
20	16 11 38.21		20 58 50.6		0.043108	9 11

Opp. in AR. Mai 31 Größe = 10.7

P. Neugebauer.

(198) AMPELLA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Mai 27	17 23 32.67	−56.94	−26 49 56.9	+4 10.4	0.161270	12 2
28	17 22 35.73	58.07	26 45 46.5	4 16.9	0.159456	11 59
29	17 21 37.66	59.13	26 41 29.6	4 23.4	0.157711	11 56
30	17 20 38.53	60.11	26 37 6.2	4 29.8	0.156035	11 53
31	17 19 38.42	−61.01	26 32 36.4	+4 36.2	0.154431	11 50
Juni 1	17 18 37.41	61.83	−26 28 0.2	4 42.4	0.152899	11 48
2	17 17 35.58	62.57	26 23 17.8	4 48.6	0.151441	11 46
3	17 16 33.01	63.23	26 18 29.2	4 54.8	0.150058	11 44
4	17 15 29.78	63.82	26 13 34.4	5 0.8	0.148751	11 42
5	17 14 25.96	−64.32	26 8 33.6	+5 6.6	0.147520	11 40
6	17 13 21.64	64.77	−26 3 27.0	5 12.2	0.146366	11 38
7	17 12 16.87	65.13	25 58 14.8	5 17.8	0.145290	11 37
8	17 11 11.74	65.40	25 52 57.0	5 23.2	0.144294	11 35
☍ 9	17 10 6.34	65.60	25 47 33.8	5 28.2	0.143378	11 34
10	17 9 0.74	−65.72	25 42 5.6	+5 33.2	0.142542	11 32
11	17 7 55.02	65.74	−25 36 32.4	5 37.8	0.141787	11 31
12	17 6 49.28	65.68	25 30 54.6	5 42.3	0.141113	11 30
13	17 5 43.60	65.53	25 25 12.3	5 46.5	0.140520	11 29
14	17 4 38.07	65.29	25 19 25.8	5 50.3	0.140010	11 28
15	17 3 32.78	−64.98	25 13 35.5	+5 54.0	0.139582	11 27
16	17 2 27.80	64.57	−25 7 41.5	5 57.4	0.139237	11 27
17	17 1 23.23	64.08	25 1 44.1	6 0.3	0.138974	11 26
18	17 0 19.15	63.49	24 55 43.8	6 3.0	0.138793	11 26
19	16 59 15.66	62.82	24 49 40.8	6 5.5	0.138694	11 26
20	16 58 12.84	−62.08	24 43 35.3	+6 7.5	0.138677	11 26
21	16 57 10.76	61.24	−24 37 27.8	6 9.2	0.138742	11 26
22	16 56 9.52	60.32	24 31 18.6	6 10.6	0.138887	11 26
23	16 55 9.20	59.30	24 25 8.0	6 11.6	0.139111	11 27
24	16 54 9.90	58.22	24 18 56.4	6 12.2	0.139413	11 27
25	16 53 11.68	−57.08	24 12 44.2	+6 12.6	0.139792	11 28
26	16 52 14.60	55.89	−24 6 31.6	6 12.4	0.140248	11 28
27	16 51 18.71	54.62	24 0 19.2	6 12.0	0.140779	11 29
28	16 50 24.09	53.26	23 54 7.2	6 11.2	0.141384	11 30
29	16 49 30.83	51.84	23 47 56.0	6 10.1	0.142063	11 31
30	16 48 38.99	−50.36	23 41 45.9	+6 8.6	0.142812	11 33
Juli 1	16 47 48.63	48.85	−23 35 37.3	6 6.8	0.143631	11 34
2	16 46 59.78		23 29 30.5		0.144518	11 35

Opp. in AR. Juni 9 Größe = 10.9

P. Neugebauer.

(334) CHICAGO 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	″		m s
Mai 21	17 51 1.86	−30.89	−18 34 35.4	+19.1	0.479482	25 4
22	17 50 30.97	31.66	18 34 16.3	18.2	0.478463	25 0
23	17 49 59.31	32.40	18 33 58.1	17.3	0.477477	24 57
24	17 49 26.91	33.12	18 33 40.8	16.3	0.476526	24 53
25	17 48 53.79	−33.81	18 33 24.5	+15.4	0.475611	24 50
26	17 48 19.98	34.46	−18 33 9.1	14.4	0.474732	24 47
27	17 47 45.52	35.09	18 32 54.7	13.4	0.473890	24 44
28	17 47 10.43	35.70	18 32 41.3	12.5	0.473085	24 42
29	17 46 34.73	36.27	18 32 28.8	11.5	0.472318	24 39
30	17 45 58.46	−36.81	18 32 17.3	+10.6	0.471590	24 37
31	17 45 21.65	37.32	−18 32 6.7	9.6	0.470900	24 34
Juni 1	17 44 44.33	37.80	18 31 57.1	8.6	0.470249	24 32
2	17 44 6.53	38.25	18 31 48.5	7.6	0.469638	24 30
3	17 43 28.28	38.68	18 31 40.9	6.5	0.469067	24 28
4	17 42 49.60	−39.06	18 31 34.4	+ 5.5	0.468537	24 26
5	17 42 10.54	39.43	−18 31 28.9	4.6	0.468048	24 24
6	17 41 31.11	39.76	18 31 24.3	3.5	0.467599	24 23
7	17 40 51.35	40.05	18 31 20.8	2.5	0.467192	24 22
8	17 40 11.30	40.32	18 31 18.3	1.5	0.466827	24 20
9	17 39 30.98	−40.55	18 31 16.8	+ 0.4	0.466504	24 19
10	17 38 50.43	40.75	−18 31 16.4	− 0.5	0.466223	24 18
11	17 38 9.68	40.92	18 31 16.9	1.6	0.465984	24 18
12	17 37 28.76	41.05	18 31 18.5	2.6	0.465789	24 17
13	17 36 47.71	41.16	18 31 21.1	3.7	0.465636	24 16
14	17 36 6.55	−41.22	18 31 24.8	− 4.8	0.465527	24 16
☍ 15	17 35 25.33	41.24	−18 31 29.6	5.8	0.465460	24 16
16	17 34 44.09	41.24	18 31 35.4	7.0	0.465437	24 16
17	17 34 2.85	41.19	18 31 42.4	8.1	0.465457	24 16
18	17 33 21.66	41.11	18 31 50.5	9.3	0.465520	24 16
19	17 32 40.55	−41.00	18 31 59.8	−10.4	0.465626	24 16
20	17 31 59.55	40.85	−18 32 10.2	11.6	0.465775	24 17
21	17 31 18.70	40.65	18 32 21.8	12.9	0.465968	24 18
22	17 30 38.05	40.43	18 32 34.7	14.1	0.466203	24 18
23	17 29 57.62	40.16	18 32 58.8	15.2	0.466481	24 19
24	17 29 17.46	−39.86	18 33 4.0	−16.4	0.466801	24 20
25	17 28 37.60	39.53	−18 33 20.4	17.6	0.467164	24 21
26	17 27 58.07		18 33 38.0		0.467568	24 23

Opp. in AR. Juni 15 Gröfse = 12.0

A. Berberich.

(164) EVA 1906.

12^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
Mai 27	$18^h\ 14^m\ 9^s.45$	$-30^s.92$	$-27°\ 26'\ 22''.7$	$-10'\ 4''.8$	0.272731	$15^m\ 34^s$
28	18 13 38.53	32.23	27 36 27.5	10 8.5	0.270737	15 30
29	18 13 6.30	33.53	27 46 36.0	10 11.9	0.268787	15 26
30	18 12 32.77	34.80	27 56 47.9	10 15.1	0.266883	15 22
31	18 11 57.97	−36.04	28 7 3.0	−10 17.9	0.265027	15 18
Juni 1	18 11 21.93	37.25	−28 17 20.9	10 20.5	0.263219	15 14
2	18 10 44.68	38.43	28 27 41.4	10 22.8	0.261461	15 10
3	18 10 6.25	39.58	28 38 4.2	10 24.9	0.259753	15 7
4	18 9 26.67	40.70	28 48 29.1	10 26.6	0.258097	15 3
5	18 8 45.97	−41.78	28 58 55.7	−10 28.0	0.256494	15 0
6	18 8 4.19	42.82	−29 9 23.7	10 29.2	0.254945	14 57
7	18 7 21.37	43.84	29 19 52.9	10 30.0	0.253450	14 54
8	18 6 37.53	44.80	29 30 22.9	10 30.5	0.252011	14 51
9	18 5 52.73	45.73	29 40 53.4	10 30.6	0.250628	14 48
10	18 5 7.00	−46.62	29 51 24.0	−10 30.4	0.249303	14 45
11	18 4 20.38	47.46	−30 1 54.4	10 29.8	0.248037	14 42
12	18 3 32.92	48.26	30 12 24.2	10 29.0	0.246830	14 40
13	18 2 44.66	49.00	30 22 53.2	10 27.7	0.245683	14 38
14	18 1 55.66	49.69	30 33 20.9	10 26.1	0.244597	14 36
15	18 1 5.97	−50.32	30 43 47.0	−10 24.3	0.243573	14 34
16	18 0 15.65	50.90	−30 54 11.3	10 22.2	0.242611	14 32
17	17 59 24.75	51.40	31 4 33.5	10 19.5	0.241711	14 30
18	17 58 33.35	51.85	31 14 53.0	10 16.6	0.240874	14 28
19	17 57 41.50	52.23	31 25 9.6	10 13.2	0.240101	14 26
20	17 56 49.27	−52.56	31 35 22.8	−10 9.7	0.239393	14 25
☍ 21	17 55 56.71	52.81	−31 45 32.5	10 5.8	0.238750	14 24
22	17 55 3.90	52.99	31 55 38.3	10 1.5	0.238172	14 23
23	17 54 10.91	53.11	32 5 39.8	9 56.8	0.237658	14 22
24	17 53 17.80	53.16	32 15 36.6	9 52.0	0.237208	14 21
25	17 52 24.64	−53.14	32 25 28.6	−9 47.1	0.236822	14 20
26	17 51 31.50	53.04	−32 35 15.7	9 41.9	0.236501	14 19
27	17 50 38.46	52.88	32 44 57.6	9 36.4	0.236244	14 19
28	17 49 45.58	52.65	32 54 34.0	9 30.8	0.236051	14 18
29	17 48 52.93	52.36	33 4 4.8	9 25.0	0.235921	14 18
30	17 48 0.57	−51.99	33 13 29.8	−9 19.2	0.235855	14 18
Juli 1	17 47 8.58	51.55	−33 22 49.0	9 13.2	0.235851	14 18
2	17 46 17.03		33 32 2.2		0.235908	14 18

Opp. in AR. Juni 21 Gröſse = 11.7

P. Neugebauer.

(28) BELLONA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
Juni 12	18h 41m 14s.38	−46s.46	−12° 29′ 55″.9	−1′ 3″.4	0.332018	17m 51s
13	18 40 27.92	47.16	12 30 59.3	1 8.6	0.331267	17 49
14	18 39 40.76	47.84	12 32 7.9	1 13.5	0.330567	17 47
15	18 38 52.92	48.46	12 33 21.4	1 18.4	0.329919	17 46
16	18 38 4.46	−49.04	12 34 39.8	−1 23.2	0.329324	17 44
17	18 37 15.42	49.58	−12 36 3.0	1 28.1	0.328784	17 43
18	18 36 25.84	50.07	12 37 31.1	1 32.8	0.328298	17 42
19	18 35 35.77	50.51	12 39 3.9	1 37.6	0.327868	17 41
20	18 34 45.26	50.90	12 40 41.5	1 42.2	0.327494	17 40
21	18 33 54.36	51.24	12 42 23.7	−1 46.8	0.327175	17 39
22	18 33 3.12	51.54	−12 44 10.5	1 51.4	0.326913	17 38
23	18 32 11.58	51.78	12 46 1.9	1 56.0	0.326709	17 38
24	18 31 19.80	51.96	12 47 57.9	2 0.4	0.326561	17 37
25	18 30 27.84	52.09	12 49 58.3	2 4.7	0.326470	17 37
26	18 29 35.75	−52.18	12 52 3.0	−2 8.9	0.326437	17 37
27	18 28 43.57	52.22	−12 54 11.9	2 13.1	0.326462	17 37
☍ 28	18 27 51.35	52.19	12 56 25.0	2 17.2	0.326545	17 37
29	18 26 59.16	52.12	12 58 42.2	2 21.3	0.326686	17 38
30	18 26 7.04	52.01	13 1 3.5	2 25.2	0.326884	17 38
Juli 1	18 25 15.03	−51.83	13 3 28.7	−2 29.1	0.327140	17 39
2	18 24 23.20	51.62	−13 5 57.8	2 32.9	0.327452	17 40
3	18 23 31.58	51.36	13 8 30.7	2 36.5	0.327820	17 41
4	18 22 40.22	51.04	13 11 7.2	2 40.2	0.328246	17 42
5	18 21 49.18	50.70	13 13 47.4	2 43.7	0.328728	17 43
6	18 20 58.48	−50.30	13 16 31.1	−2 47.1	0.329266	17 44
7	18 20 8.18	49.85	−13 19 18.2	2 50.4	0.329859	17 46
8	18 19 18.33	49.36	13 22 8.6	2 53.6	0.330506	17 47
9	18 18 28.97	48.84	13 25 2.2	2 56.6	0.331208	17 49
10	18 17 40.13	48.26	13 27 58.8	2 59.7	0.331964	17 51
11	18 16 51.87	−47.64	13 30 58.5	−3 2.6	0.332774	17 53
12	18 16 4.23	46.98	−13 34 1.1	3 5.3	0.333636	17 55
13	18 15 17.25	46.27	13 37 6.4	3 8.0	0.334551	17 57
14	18 14 30.98	45.53	13 40 14.4	3 10.6	0.335518	17 59
15	18 13 45.45	44.74	13 43 25.0	3 13.3	0.336535	18 2
16	18 13 0.71	−43.92	13 46 38.3	−3 15.8	0.337601	18 5
17	18 12 16.79	43.04	−13 49 54.1	3 18.1	0.338716	18 7
18	18 11 33.75		13 53 12.2		0.339879	18 10

Opp. in AR. Juni 28 Gröſse = 10.7

P. Neugebauer.

(122) GERDA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	″		m s
Juni 12	18 45 44.30	−42.58	−20 43 13.7	−33.5	0.345337	18 24
13	18 45 1.72	43.33	20 43 47.2	34.4	0.344527	18 22
14	18 44 18.39	44.02	20 44 21.6	35.3	0.343768	18 20
15	18 43 34.37	44.67	20 44 56.9	36.1	0.343060	18 18
16	18 42 49.70	−45.28	20 45 33.0	−36.8	0.342402	18 17
17	18 42 4.42	45.87	−20 46 9.8	37.5	0.341796	18 15
18	18 41 18.55	46.40	20 46 47.3	38.3	0.341243	18 14
19	18 40 32.15	46.90	20 47 25.6	39.0	0.340743	18 13
20	18 39 45.25	47.32	20 48 4.6	39.6	0.340298	18 11
21	18 38 57.93	−47.71	20 48 44.2	−40.1	0.339907	18 10
22	18 38 10.22	48.06	−20 49 24.3	40.6	0.339570	18 10
23	18 37 22.16	48.35	20 50 4.9	41.1	0.339289	18 9
24	18 36 33.81	48.58	20 50 46.0	41.6	0.339064	18 8
25	18 35 45.23	48.77	20 51 27.6	41.9	0.338895	18 8
26	18 34 56.46	−48.91	20 52 9.5	−42.2	0.338780	18 8
27	18 34 7.55	49.00	−20 52 51.7	42.5	0.338721	18 8
28	18 33 18.55	49.03	20 53 34.2	42.8	0.338719	18 7
☍ 29	18 32 29.52	49.02	20 54 17.0	43.0	0.338773	18 8
30	18 31 40.50	48.95	20 55 0.0	43.1	0.338883	18 8
Juli 1	18 30 51.55	−48.84	20 55 43.1	−43.2	0.339050	18 8
2	18 30 2.71	48.68	−20 56 26.3	43.3	0.339272	18 9
3	18 29 14.03	48.47	20 57 9.6	43.3	0.339550	18 9
4	18 28 25.56	48.22	20 57 52.9	43.4	0.339883	18 10
5	18 27 37.34	47.92	20 58 36.3	43.4	0.340270	18 11
6	18 26 49.42	−47.57	20 59 19.7	−43.3	0.340711	18 12
7	18 26 1.85	47.18	−21 0 3.0	43.3	0.341207	18 14
8	18 25 14.67	46.75	21 0 46.3	43.2	0.341756	18 15
9	18 24 27.92	46.28	21 1 29.5	43.2	0.342358	18 17
10	18 23 41.64	45.76	21 2 12.7	43.1	0.343013	18 18
11	18 22 55.88	−45.19	21 2 55.8	−43.0	0.343721	18 20
12	18 22 10.69	44.58	−21 3 38.8	42.8	0.344482	18 22
13	18 21 26.11	43.93	21 4 21.6	42.6	0.345295	18 24
14	18 20 42.18	43.24	21 5 4.2	42.4	0.346159	18 26
15	18 19 58.94	42.50	21 5 46.6	42.2	0.347073	18 29
16	18 19 16.44	−41.71	21 6 28.8	−42.0	0.348036	18 31
17	18 18 34.73	40.89	−21 7 10.8	41.9	0.349048	18 34
18	18 17 53.84		21 7 52.7		0.350108	18 36

Opp. in AR. Juni 29 Gröſse = 11.4

P. Neugebauer.

(53) KALYPSO 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Juni 28	19 55 35.18	−46.10	−16 39 15.2	−2 37.5	0.333551	17 54
29	19 54 49.08	46.94	16 41 52.7	2 41.1	0.332417	17 51
30	19 54 2.14	47.75	16 44 33.8	2 44.6	0.331333	17 48
Juli 1	19 53 14.39	48.52	16 47 18.4	2 48.0	0.330300	17 46
2	19 52 25.87	−49.25	16 50 6.4	−2 51.2	0.329319	17 43
3	19 51 36.62	49.94	−16 52 57.6	2 54.3	0.328390	17 41
4	19 50 46.68	50.58	16 55 51.9	2 57.4	0.327514	17 39
5	19 49 56.10	51.20	16 58 49.3	3 0.3	0.326692	17 37
6	19 49 4.90	51.76	17 1 49.6	3 3.0	0.325924	17 35
7	19 48 13.14	−52.28	17 4 52.6	−3 5.6	0.325212	17 33
8	19 47 20.86	52.76	−17 7 58.2	3 7.9	0.324555	17 32
9	19 46 28.10	53.19	17 11 6.1	3 10.0	0.323955	17 31
10	19 45 34.91	53.56	17 14 16.1	3 12.1	0.323413	17 30
11	19 44 41.35	53.90	17 17 28.2	3 13.9	0.322928	17 29
12	19 43 47.45	−54.20	17 20 42.1	−3 15.5	0.322502	17 28
13	19 42 53.25	54.43	−17 23 57.6	3 16.9	0.322136	17 27
14	19 41 58.82	54.61	17 27 14.5	3 18.2	0.321829	17 26
15	19 41 4.21	54.74	17 30 32.7	3 19.5	0.321581	17 25
☍ 16	19 40 9.47	54.81	17 33 52.2	3 20.5	0.321393	17 25
17	19 39 14.66	−54.83	17 37 12.7	−3 21.3	0.321263	17 25
18	19 38 19.83	54.80	−17 40 34.0	3 22.0	0.321193	17 24
19	19 37 25.03	54.70	17 43 56.0	3 22.6	0.321182	17 25
20	19 36 30.33	54.56	17 47 18.6	3 23.1	0.321231	17 25
21	19 35 35.77	54.36	17 50 41.7	3 23.4	0.321340	17 25
22	19 34 41.41	−54.11	17 54 5.1	−3 23.6	0.321509	17 25
23	19 33 47.30	53.80	−17 57 28.7	3 23.5	0.321737	17 26
24	19 32 53.50	53.44	18 0 52.2	3 23.2	0.322024	17 26
25	19 32 0.06	53.02	18 4 15.4	3 22.8	0.322369	17 27
26	19 31 7.04	52.55	18 7 38.2	3 22.3	0.322772	17 28
27	19 30 14.49	−52.03	18 11 0.5	−3 21.7	0.323232	17 29
28	19 29 22.46	51.46	−18 14 22.2	3 21.1	0.323749	17 30
29	19 28 31.00	50.83	18 17 43.3	3 20.3	0.324321	17 31
30	19 27 40.17	50.17	18 21 3.6	3 19.3	0.324947	17 33
31	19 26 50.00	49.45	18 24 22.9	3 18.2	0.325629	17 34
Aug. 1	19 26 0.55	−48.67	18 27 41.1	−3 17.0	0.326366	17 36
2	19 25 11.88	47.84	−18 30 58.1	3 15.8	0.327158	17 38
3	19 24 24.04		18 34 13.9		0.328004	17 40

Opp. in AR. Juli 16   Gröſse = 12.5

P. Neugebauer.

(163) ERIGONE 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
Juni 26	19h 58m 35s.82	−47s.34	−14° 58′ 10″.6	−2′ 11″.6	0.265934	15m 19s
27	19 57 48.48	48.43	15 0 22.2	2 17.1	0.264517	15 16
28	19 57 0.05	49.47	15 2 39.3	2 22.3	0.263154	15 13
29	19 56 10.58	50.47	15 5 1.6	2 27.3	0.261846	15 10
30	19 55 20.11	−51.44	15 7 28.9	−2 32.2	0.260595	15 8
Juli 1	19 54 28.67	52.36	−15 10 1.1	2 36.8	0.259401	15 5
2	19 53 36.31	53.22	15 12 37.9	2 41.5	0.258266	15 3
3	19 52 43.09	54.04	15 15 19.4	2 45.9	0.257190	15 1
4	19 51 49.05	54.81	15 18 5.3	2 50.2	0.256175	14 59
5	19 50 54.24	−55.54	15 20 55.5	−2 54.4	0.255221	14 57
6	19 49 58.70	56.22	−15 23 49.9	2 58.4	0.254329	14 55
7	19 49 2.48	56.84	15 26 48.3	3 2.2	0.253500	14 53
8	19 48 5.64	57.41	15 29 50.5	3 5.7	0.252736	14 52
9	19 47 8.23	57.93	15 32 56.2	3 9.1	0.252036	14 50
10	19 46 10.30	−58.39	15 36 5.3	−3 12.4	0.251401	14 49
11	19 45 11.91	58.79	−15 39 17.7	3 15.7	0.250831	14 48
12	19 44 13.12	59.13	15 42 33.4	3 18.8	0.250328	14 47
13	19 43 13.99	59.40	15 45 52.2	3 21.6	0.249893	14 46
14	19 42 14.59	59.62	15 49 13.8	3 24.2	0.249526	14 45
15	19 41 14.97	−59.77	15 52 38.0	−3 26.5	0.249226	14 44
☍ 16	19 40 15.20	59.85	−15 56 4.5	3 28.6	0.248994	14 44
17	19 39 15.35	59.88	15 59 33.1	3 30.6	0.248832	14 44
18	19 38 15.47	59.85	16 3 3.7	3 32.4	0.248738	14 44
19	19 37 15.62	59.73	16 6 36.1	3 34.1	0.248712	14 44
20	19 36 15.89	−59.56	16 10 10.2	−3 35.5	0.248756	14 44
21	19 35 16.33	59.32	−16 13 45.7	3 36.7	0.248868	14 44
22	19 34 17.01	59.02	16 17 22.4	3 37.8	0.249050	14 45
23	19 33 17.99	58.65	16 21 0.2	3 38.6	0.249300	14 45
24	19 32 19.34	58.20	16 24 38.8	3 39.4	0.249617	14 46
25	19 31 21.14	−57.71	16 28 18.2	−3 40.0	0.250002	14 47
26	19 30 23.43	57.16	−16 31 58.2	3 40.3	0.250453	14 48
27	19 29 26.27	56.53	16 35 38.5	3 40.5	0.250969	14 49
28	19 28 29.74	55.85	16 39 19.0	3 40.6	0.251551	14 50
29	19 27 33.89	55.11	16 42 59.6	3 40.5	0.252197	14 51
30	19 26 38.78	−54.32	16 46 40.1	−3 40.2	0.252906	14 53
31	19 25 44.46	53.47	−16 50 20.3	3 39.6	0.253678	14 54
Aug. 1	19 24 50.99		16 53 59.9		0.254511	14 56

Opp. in AR. Juli 16 Gröfse = 12.5

P. Sternberg.

(37) FIDES 1906.

12^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Juli 10	20 41 56.15	−48.04	−22 46 13.9	−3 16.7	0.276601	15 42
11	20 41 8.11	49.06	22 49 30.6	3 17.3	0.275277	15 40
12	20 40 19.05	50.05	22 52 47.9	3 17.5	0.274008	15 37
13	20 39 29.00	50.99	22 56 5.4	3 17.5	0.272796	15 34
14	20 38 38.01	−51.88	22 59 22.9	−3 17.3	0.271642	15 32
15	20 37 46.13	52.71	−23 2 40.2	3 16.8	0.270546	15 30
16	20 36 53.42	53.52	23 5 57.0	3 16.0	0.269510	15 27
17	20 35 59.90	54.26	23 9 13.0	3 15.0	0.268534	15 25
18	20 35 5.64	54.94	23 12 28.0	3 13.8	0.267618	15 23
19	20 34 10.70	−55.57	23 15 41.8	−3 12.2	0.266764	15 21
20	20 33 15.13	56.15	−23 18 54.0	3 10.3	0.265973	15 20
21	20 32 18.98	56.66	23 22 4.3	3 8.2	0.265247	15 18
22	20 31 22.32	57.10	23 25 12.5	3 5.9	0.264585	15 17
23	20 30 25.22	57.47	23 28 18.4	3 3.4	0.263987	15 16
24	20 29 27.75	−57.79	23 31 21.8	−3 0.6	0.263455	15 14
25	20 28 29.96	58.04	−23 34 22.4	2 57.5	0.262988	15 13
26	20 27 31.92	58.22	23 37 19.9	2 54.3	0.262587	15 13
☍ 27	20 26 33.70	58.35	23 40 14.2	2 50.9	0.262251	15 12
28	20 25 35.35	58.40	23 43 5.1	2 47.2	0.261981	15 11
29	20 24 36.95	−58.39	23 45 52.3	−2 43.4	0.261777	15 11
30	20 23 38.56	58.32	−23 48 35.7	2 39.2	0.261639	15 11
31	20 22 40.24	58.20	23 51 14.9	2 34.8	0.261567	15 10
Aug. 1	20 21 42.04	58.00	23 53 49.7	2 30.3	0.261560	15 10
2	20 20 44.04	57.74	23 56 20.0	2 25.6	0.261620	15 11
3	20 19 46.30	−57.44	23 58 45.6	−2 20.8	0.261746	15 11
4	20 18 48.86	57.06	−24 1 6.4	2 15.8	0.261936	15 11
5	20 17 51.80	56.63	24 3 22.2	2 10.7	0.262190	15 12
6	20 16 55.17	56.14	24 5 32.9	2 5.5	0.262507	15 12
7	20 15 59.03	55.60	24 7 38.4	2 0.2	0.262887	15 13
8	20 15 3.43	−54.98	24 9 38.6	−1 54.8	0.263329	15 14
9	20 14 8.45	54.31	−24 11 33.4	1 49.4	0.263834	15 15
10	20 13 14.14	53.59	24 13 22.8	1 44.0	0.264400	15 16
11	20 12 20.55	52.81	24 15 6.8	1 38.4	0.265028	15 18
12	20 11 27.74	51.97	24 16 45.2	1 32.7	0.265716	15 19
13	20 10 35.77	−51.08	24 18 17.9	−1 27.0	0.266463	15 21
14	20 9 44.69	50.12	−24 19 44.9	1 21.4	0.267270	15 22
15	20 8 54.57		24 21 6.3		0.268135	15 24

Opp. in AR. Juli 27 Gröfse = 10.8

P. Neugebauer.

(26) PROSERPINA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Aug. 23	23 30 37.35	−44.09	−8 37 33.1	−4 47.9	0.238068	14 22
24	23 29 53.26	44.99	8 42 21.0	4 50.3	0.237248	14 21
25	23 29 8.27	45.84	8 47 11.3	4 52.3	0.236491	14 19
26	23 28 22.43	46.64	8 52 3.6	4 53.9	0.235798	14 18
27	23 27 35.79	−47.39	8 56 57.5	−4 55.2	0.235170	14 17
28	23 26 48.40	48.09	−9 1 52.7	4 56.0	0.234607	14 16
29	23 26 0.31	48.77	9 6 48.7	4 56.6	0.234110	14 15
30	23 25 11.54	49.36	9 11 45.3	4 56.8	0.233680	14 14
31	23 24 22.18	49.86	9 16 42.1	4 56.6	0.233317	14 13
Sept. 1	23 23 32.32	−50.34	9 21 38.7	−4 55.9	0.233022	14 13
2	23 22 41.98	50.80	−9 26 34.6	4 54.9	0.232795	14 12
3	23 21 51.18	51.20	9 31 29.5	4 53.5	0.232637	14 12
4	23 20 59.98	51.51	9 36 23.0	4 51.8	0.232548	14 12
5	23 20 8.47	51.78	9 41 14.8	4 49.8	0.232529	14 12
6	23 19 16.69	−52.00	9 46 4.6	−4 47.4	0.232580	14 12
7	23 18 24.69	52.15	−9 50 52.0	4 44.7	0.232701	14 12
8	23 17 32.54	52.24	9 55 36.7	4 41.6	0.232892	14 12
9	23 16 40.30	52.28	10 0 18.3	4 38.0	0.233153	14 13
10	23 15 48.02	52.26	10 4 56.3	4 34.1	0.233483	14 13
☍ 11	23 14 55.76	−52.16	10 9 30.4	−4 29.9	0.233883	14 14
12	23 14 3.60	52.02	−10 14 0.3	4 25.4	0.234354	14 15
13	23 13 11.58	51.80	10 18 25.7	4 20.4	0.234894	14 16
14	23 12 19.78	51.52	10 22 46.1	4 15.2	0.235504	14 17
15	23 11 28.26	51.18	10 27 1.3	4 9.6	0.236184	14 19
16	23 10 37.08	−50.80	10 31 10.9	−4 3.7	0.236934	14 20
17	23 9 46.28	50.33	−10 35 14.6	3 57.5	0.237753	14 22
18	23 8 55.95	49.82	10 39 12.1	3 51.0	0.238639	14 24
19	23 8 6.13	49.24	10 43 3.1	3 44.4	0.239591	14 26
20	23 7 16.89	48.62	10 46 47.5	3 37.4	0.240607	14 28
21	23 6 28.27	−47.94	10 50 24.9	−3 30.1	0.241687	14 30
22	23 5 40.33	47.19	−10 53 55.0	3 22.6	0.242831	14 32
23	23 4 53.14	46.39	10 57 17.6	3 14.8	0.244040	14 34
24	23 4 6.75	45.53	11 0 32.4	3 6.9	0.245312	14 37
25	23 3 21.22	44.65	11 3 39.3	2 58.9	0.246636	14 39
26	23 2 36.57	−43.74	11 6 38.2	−2 50.7	0.248021	14 42
27	23 1 52.83	42.80	−11 9 28.9	2 42.3	0.249464	14 45
28	23 1 10.03		11 12 11.2		0.250963	14 48

Opp. in AR. Sept. 11 Größe = 10.6

P. Neugebauer.

(42) ISIS 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Aug. 23	23 46 58.02	−32.70	−19 41 10.0	−8 23.5	9.982378	7 58
24	23 46 25.32	34.36	19 49 33.5	8 17.9	9.981555	7 57
25	23 45 50.96	35.95	19 57 51.4	8 11.6	9.980817	7 57
26	23 45 15.01	37.47	20 6 3.0	8 4.6	9.980167	7 56
27	23 44 37.54	−38.92	20 14 7.6	−7 57.0	9.979606	7 56
28	23 43 58.62	40.30	−20 22 4.6	7 48.5	9.979136	7 55
29	23 43 18.32	41.59	20 29 53.1	7 39.2	9.978759	7 55
30	23 42 36.73	42.81	20 37 32.3	7 29.0	9.978475	7 54
31	23 41 53.92	43.96	20 45 1.3	7 18.0	9.978284	7 54
Sept. 1	23 41 9.96	−45.02	20 52 19.3	−7 6.4	9.978187	7 54
2	23 40 24.94	46.01	−20 59 25.7	6 54.1	9.978185	7 54
3	23 39 38.93	46.90	21 6 19.8	6 41.0	9.978279	7 54
4	23 38 52.03	47.71	21 13 0.8	6 27.0	9.978469	7 54
5	23 38 4.32	48.42	21 19 27.8	6 12.5	9.978755	7 55
6	23 37 15.90	−49.05	21 25 40.3	−5 57.5	9.979137	7 55
7	23 36 26.85	49.58	−21 31 37.8	5 41.6	9.979615	7 56
8	23 35 37.27	50.02	21 37 19.4	5 25.2	9.980190	7 56
9	23 34 47.25	50.35	21 42 44.6	5 8.2	9.980861	7 57
10	23 33 56.90	50.60	21 47 52.8	4 50.7	9.981628	7 58
11	23 33 6.30	−50.75	21 52 43.5	−4 32.7	9.982491	7 59
12	23 32 15.55	50.78	−21 57 16.2	4 14.3	9.983449	8 0
13	23 31 24.77	50.71	22 1 30.5	3 55.1	9.984501	8 1
14	23 30 34.06	50.53	22 5 25.6	3 35.5	9.985647	8 2
☍ 15	23 29 43.53	50.25	22 9 1.1	3 15.8	9.986887	8 3
16	23 28 53.28	−49.88	22 12 16.9	−2 55.9	9.988219	8 5
17	23 28 3.40	49.41	−22 15 12.8	2 35.7	9.989641	8 7
18	23 27 13.99	48.84	22 17 48.5	2 14.9	9.991152	8 8
19	23 26 25.15	48.16	22 20 3.4	1 54.1	9.992751	8 10
20	23 25 36.99	47.40	22 21 57.5	1 33.2	9.994436	8 12
21	23 24 49.59	−46.54	22 23 30.7	−1 12.3	9.996205	8 14
22	23 24 3.05	45.60	−22 24 43.0	0 51.3	9.998057	8 16
23	23 23 17.45	44.58	22 25 34.3	0 30.2	9.999990	8 19
24	23 22 32.87	43.46	22 26 4.5	−0 9.1	0.002002	8 21
25	23 21 49.41	42.27	22 26 13.6	+0 11.8	0.004090	8 23
26	23 21 7.14	−41.02	22 26 1.8	+0 32.6	0.006253	8 26
27	23 20 26.12	39.69	−22 25 29.2	0 53.3	0.008489	8 28
28	23 19 46.43		22 24 35.9		0.010797	8 31

Opp. in AR. Sept 15. Größe = 9.0

P. Neugebauer.

(108) HECUBA 1906.

12^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Sept. 12	0 38 55.85	−38.11	+5 37 22.7	−2 55.5	0.409656	21 20
13	0 38 17.74	38.75	5 34 27.2	3 0.1	0.408743	21 18
14	0 37 38.99	39.37	5 31 27.1	3 4.6	0.407874	21 15
15	0 36 59.62	39.95	5 28 22.5	3 8.8	0.407051	21 12
16	0 36 19.67	−40.50	5 25 13.7	−3 12.8	0.406274	21 10
17	0 35 39.17	41.00	+5 22 0.9	3 16.7	0.405543	21 8
18	0 34 58.17	41.48	5 18 44.2	3 20.4	0.404859	21 6
19	0 34 16.69	41.93	5 15 23.8	3 24.0	0.404224	21 4
20	0 33 34.76	42.33	5 11 59.8	3 27.2	0.403637	21 3
21	0 32 52.43	−42.68	5 8 32.6	−3 30.1	0.403099	21 1
22	0 32 9.75	42.99	+5 5 2.5	3 32.9	0.402610	21 0
23	0 31 26.76	43.28	5 1 29.6	3 35.6	0.402171	20 59
24	0 30 43.48	43.53	4 57 54.0	3 37.9	0.401782	20 57
25	0 29 59.95	43.73	4 54 16.1	3 40.0	0.401444	20 56
26	0 29 16.22	−43.89	4 50 36.1	−3 42.0	0.401156	20 56
27	0 28 32.33	44.01	+4 46 54.1	3 43.6	0.400919	20 55
28	0 27 48.32	44.10	4 43 10.5	3 45.0	0.400733	20 54
29	0 27 4.22	44.14	4 39 25.5	3 46.3	0.400599	20 54
☍ 30	0 26 20.08	44.16	4 35 39.2	3 47.2	0.400517	20 54
Okt. 1	0 25 35.92	−44.12	4 31 52.0	−3 48.0	0.400487	20 54
2	0 24 51.80	44.06	+4 28 4.0	3 48.5	0.400508	20 54
3	0 24 7.74	43.95	4 24 15.5	3 48.7	0.400580	20 54
4	0 23 23.79	43.80	4 20 26.8	3 48.8	0.400704	20 54
5	0 22 39.99	43.62	4 16 38.0	3 48.6	0.400880	20 55
6	0 21 56.37	−43.40	4 12 49.4	−3 48.1	0.401108	20 55
7	0 21 12.97	43.14	+4 9 1.3	3 47.4	0.401387	20 56
8	0 20 29.83	42.84	4 5 13.9	3 46.5	0.401717	20 57
9	0 19 46.99	42.49	4 1 27.4	3 45.3	0.402097	20 58
10	0 19 4.50	42.12	3 57 42.1	3 43.9	0.402527	20 59
11	0 18 22.38	−41.70	3 53 58.2	−3 42.3	0.403007	21 1
12	0 17 40.68	41.24	+3 50 15.9	3 40.4	0.403538	21 2
13	0 16 59.44	40.75	3 46 35.5	3 38.4	0.404118	21 4
14	0 16 18.69	40.22	3 42 57.1	3 36.0	0.404747	21 6
15	0 15 38.47	39.66	3 39 21.1	3 33.3	0.405425	21 8
16	0 14 58.81	−39.05	3 35 47.8	−3 30.5	0.406151	21 10
17	0 14 19.76	38.41	+3 32 17.3	3 27.5	0.406925	21 12
18	0 13 41.35		3 28 49.8		0.407746	21 15

Opp. in AR. Sept. 30 Größe = 12.1

P. Neugebauer.

(47) AGLAJA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Sept. 20	1 3 20.15	−45.55	+7 37 27.6	−2 26.5	0.223142	13 53
21	1 2 34.60	46.40	7 35 1.1	2 32.1	0.222352	13 52
22	1 1 48.20	47.18	7 32 29.0	2 37.4	0.221627	13 50
23	1 1 1.02	47.90	7 29 51.6	2 42.5	0.220969	13 49
24	1 0 13.12	−48.57	7 27 9.1	−2 47.3	0.220379	13 48
25	0 59 24.55	49.18	+7 24 21.8	2 51.8	0.219857	13 47
26	0 58 35.37	49.74	7 21 30.0	2 56.0	0.219403	13 46
27	0 57 45.63	50.24	7 18 34.0	3 0.0	0.219017	13 46
28	0 56 55.39	50.68	7 15 34.0	3 3.7	0.218701	13 45
29	0 56 4.71	−51.05	7 12 30.3	−3 7.0	0.218456	13 44
30	0 55 13.66	51.37	+7 9 23.3	3 10.1	0.218283	13 44
Okt. 1	0 54 22.29	51.64	7 6 13.2	3 12.9	0.218183	13 44
2	0 53 30.65	51.84	7 3 0.3	3 15.4	0.218155	13 44
3	0 52 38.81	51.97	6 59 44.9	3 17.5	0.218199	13 44
4	0 51 46.84	−52.05	6 56 27.4	−3 19.4	0.218314	13 44
5	0 50 54.79	52.07	+6 53 8.0	3 20.9	0.218502	13 45
6	0 50 2.72	52.03	6 49 47.1	3 22.0	0.218762	13 45
☍ 7	0 49 10.69	51.93	6 46 25.1	3 22.9	0.219094	13 46
8	0 48 18.76	51.76	6 43 2.2	3 23.5	0.219500	13 46
9	0 47 27.00	−51.54	6 39 38.7	−3 23.7	0.219979	13 47
10	0 46 35.46	51.24	+6 36 15.0	3 23.6	0.220530	13 48
11	0 45 44.22	50.89	6 32 51.4	3 23.0	0.221153	13 50
12	0 44 53.33	50.47	6 29 28.4	3 22.2	0.221848	13 51
13	0 44 2.86	49.99	6 26 6.2	3 21.0	0.222615	13 52
14	0 43 12.87	−49.45	6 22 45.2	−3 19.5	0.223453	13 54
15	0 42 23.42	48.85	+6 19 25.7	3 17.6	0.224361	13 56
16	0 41 34.57	48.19	6 16 8.1	3 15.4	0.225338	13 58
17	0 40 46.38	47.47	6 12 52.7	3 12.8	0.226384	14 0
18	0 39 58.91	46.70	6 9 39.9	3 10.0	0.227498	14 2
19	0 39 12.21	−45.87	6 6 29.9	−3 6.7	0.228679	14 4
20	0 38 26.34	44.99	+6 3 23.2	3 3.2	0.229925	14 7
21	0 37 41.35	44.07	6 0 20.0	2 59.3	0.231236	14 9
22	0 36 57.28	43.10	5 57 20.7	2 55.1	0.232611	14 12
23	0 36 14.18	42.08	5 54 25.6	2 50.6	0.234048	14 15
24	0 35 32.10	−41.01	5 51 35.0	−2 45.8	0.235545	14 18
25	0 34 51.09	39.90	+5 48 49.2	2 40.8	0.237101	14 21
26	0 34 11.19		5 46 8.4		0.238715	14 24

Opp. in AR. Okt. 7 Gröſse = 10.7

P. Neugebauer.

(175) ANDROMACHE 1906.

12ʰ Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Sept. 26	1 18 13.56	−42.66	+7 14 31.6	−3 8.2	0.249010	14 44
27	1 17 30.90	43.34	7 11 23.4	3 11.7	0.248459	14 43
28	1 16 47.56	43.95	7 8 11.7	3 15.1	0.247970	14 42
29	1 16 3.61	44.53	7 4 56.6	3 18.3	0.247544	14 42
30	1 15 19.08	−45.06	7 1 38.3	−3 21.2	0.247183	14 41
Okt. 1	1 14 34.02	45.54	+6 58 17.1	3 23.8	0.246887	14 40
2	1 13 48.48	45.96	6 54 53.3	3 26.1	0.246658	14 40
3	1 13 2.52	46.32	6 51 27.2	3 28.1	0.246494	14 39
4	1 12 16.20	46.66	6 47 59.1	3 30.0	0.246398	14 39
5	1 11 29.54	−46.92	6 44 29.1	−3 31.4	0.246370	14 39
6	1 10 42.62	47.12	+6 40 57.7	3 32.6	0.246409	14 39
7	1 9 55.50	47.27	6 37 25.1	3 33.4	0.246517	14 40
8	1 9 8.23	47.38	6 33 51.7	3 33.9	0.246692	14 40
9	1 8 20.85	47.41	6 30 17.8	3 34.2	0.246936	14 40
10	1 7 33.44	−47.39	6 26 43.6	−3 34.1	0.247246	14 41
☍ 11	1 6 46.05	47.31	+6 23 9.5	3 33.7	0.247630	14 42
12	1 5 58.74	47.17	6 19 35.8	3 33.0	0.248084	14 43
13	1 5 11.57	46.97	6 16 2.8	3 31.8	0.248604	14 44
14	1 4 24.60	46.72	6 12 31.0	3 30.4	0.249193	14 45
15	1 3 37.88	−46.40	6 9 0.6	−3 28.8	0.249849	14 46
16	1 2 51.48	46.03	+6 5 31.8	3 26.7	0.250574	14 48
17	1 2 5.45	45.61	6 2 5.1	3 24.3	0.251366	14 49
18	1 1 19.84	45.14	5 58 40.8	3 21.6	0.252225	14 51
19	1 0 34.70	44.59	5 55 19.2	3 18.6	0.253149	14 53
20	0 59 50.11	−43.99	5 52 0.6	−3 15.4	0.254139	14 55
21	0 59 6.12	43.35	+5 48 45.2	3 11.6	0.255193	14 57
22	0 58 22.77	42.67	5 45 33.6	3 7.8	0.256311	14 59
23	0 57 40.10	41.93	5 42 25.8	3 3.6	0.257491	15 2
24	0 56 58.17	41.12	5 39 22.2	2 59.0	0.258733	15 5
25	0 56 17.05	−40.28	5 36 23.2	−2 54.4	0.260035	15 8
26	0 55 36.77	39.42	+5 33 28.8	2 49.4	0.261395	15 11
27	0 54 57.35	38.52	5 30 39.4	2 44.2	0.262814	15 14
28	0 54 18.83	37.57	5 27 55.2	2 38.6	0.264290	15 18
29	0 53 41.26	36.59	5 25 16.6	2 33.2	0.265822	15 21
30	0 53 4.67	−35.58	5 22 43.4	−2 27.6	0.267409	15 24
31	0 52 29.09	34.54	+5 20 15.8	2 21.7	0.269049	15 27
Nov. 1	0 51 54.55		5 17 54.1		0.270740	15 30

Opp. in AR. Okt. 11   Größe = 11.4

P. Sternberg.

(153) HILDA 1906.

12h Mittl. Zeit	AR. h m s	Diff. s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Aberr.-Zt. m s
Sept. 28	1 30 35.75	−33.40	+14 38 27.6	−4 0.7	0.474044	24 45
29	1 30 2.35	33.88	14 34 26.9	4 5.5	0.473508	24 43
30	1 29 28.47	34.31	14 30 21.4	4 10.3	0.473013	24 41
Okt. 1	1 28 54.16	34.71	14 26 11.1	4 14.9	0.472559	24 40
2	1 28 19.45	−35.08	14 21 56.2	−4 19.4	0.472146	24 38
3	1 27 44.37	35.42	+14 17 36.8	4 23.7	0.471774	24 37
4	1 27 8.95	35.74	14 13 13.1	4 27.8	0.471444	24 36
5	1 26 33.21	36.02	14 8 45.3	4 31.6	0.471157	24 35
6	1 25 57.19	36.28	14 4 13.7	4 35.4	0.470913	24 34
7	1 25 20.91	−36.49	13 59 38.3	−4 39.0	0.470711	24 34
8	1 24 44.42	36.68	+13 54 59.3	4 42.3	0.470552	24 33
9	1 24 7.74	36.84	13 50 17.0	4 45.5	0.470436	24 32
10	1 23 30.90	36.96	13 45 31.5	4 48.5	0.470364	24 32
11	1 22 53.94	37.04	13 40 43.0	4 51.2	0.470337	24 32
12	1 22 16.90	−37.10	13 35 51.8	−4 53.8	0.470354	24 32
13	1 21 39.80	37.13	+13 30 58.0	4 56.1	0.470416	24 33
14	1 21 2.67	37.11	13 26 1.9	4 58.2	0.470522	24 33
☍ 15	1 20 25.56	37.05	13 21 3.7	5 0.1	0.470673	24 34
16	1 19 48.51	36.97	13 16 3.6	5 1.8	0.470869	24 34
17	1 19 11.54	−36.86	13 11 1.8	−5 3.2	0.471110	24 35
18	1 18 34.68	36.70	+13 5 58.6	5 4.3	0.471396	24 36
19	1 17 57.98	36.51	13 0 54.3	5 5.2	0.471726	24 37
20	1 17 21.47	36.27	12 55 49.1	5 5.9	0.472101	24 38
21	1 16 45.20	36.01	12 50 43.2	5 6.3	0.472520	24 40
22	1 16 9.19	−35.72	12 45 36.9	−5 6.4	0.472983	24 41
23	1 15 33.47	35.40	+12 40 30.5	5 6.3	0.473490	24 43
24	1 14 58.07	35.05	12 35 24.2	5 6.1	0.474041	24 45
25	1 14 23.02	34.67	12 30 18.1	5 5.6	0.474635	24 47
26	1 13 48.35	34.25	12 25 12.5	5 4.8	0.475272	24 49
27	1 13 14.10	−33.81	12 20 7.7	−5 3.7	0.475952	24 52
28	1 12 40.29	33.33	+12 15 4.0	5 2.5	0.476673	24 54
29	1 12 6.96	32.84	12 10 1.5	5 1.0	0.477435	24 57
30	1 11 34.12	32.32	12 5 0.5	4 59.4	0.478239	24 59
31	1 11 1.80	31.77	12 0 1.1	4 57.5	0.479083	25 2
Nov. 1	1 10 30.03	−31.20	11 55 3.6	−4 55.4	0.479967	25 5
2	1 9 58.83	30.62	+11 50 8.2	4 53.1	0.480890	25 9
3	1 9 28.21		11 45 15.1		0.481852	25 12

Opp. in AR. Okt. 15 Gröſse = 12.6

P. Neugebauer.

(134) SOPHROSYNE 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Okt. 2	1 34 18.24	−57.02	+21 59 24.1	+2 6.2	0.144129	11 34
3	1 33 21.22	58.16	22 1 30.3	1 53.8	0.142665	11 31
4	1 32 23.06	59.22	22 3 24.1	1 41.2	0.141271	11 29
5	1 31 23.84	60.20	22 5 5.3	1 28.6	0.139948	11 27
6	1 30 23.64	−61.10	22 6 33.9	+1 15.9	0.138698	11 25
7	1 29 22.54	61.94	+22 7 49.8	1 3.2	0.137522	11 24
8	1 28 20.60	62.72	22 8 53.0	0 50.7	0.136422	11 22
9	1 27 17.88	63.41	22 9 43.7	0 38.1	0.135399	11 20
10	1 26 14.47	64.00	22 10 21.8	0 25.5	0.134454	11 18
11	1 25 10.47	−64.52	22 10 47.3	+0 13.0	0.133588	11 17
12	1 24 5.95	64.97	+22 11 0.3	+0 0.6	0.132804	11 16
13	1 23 0.98	65.31	22 11 0.9	−0 11.5	0.132102	11 15
14	1 21 55.67	65.56	22 10 49.4	0 23.5	0.131482	11 14
☍ 15	1 20 50.11	65.70	22 10 25.9	0 35.3	0.130945	11 13
16	1 19 44.41	−65.77	22 9 50.6	−0 46.8	0.130492	11 13
17	1 18 38.64	65.74	+22 9 3.8	0 57.9	0.130124	11 13
18	1 17 32.90	65.61	22 8 5.9	1 8.8	0.129841	11 12
19	1 16 27.29	65.39	22 6 57.1	1 19.5	0.129643	11 12
20	1 15 21.90	65.07	22 5 37.6	1 29.6	0.129530	11 12
21	1 14 16.83	−64.67	22 4 8.0	−1 39.5	0.129502	11 12
22	1 13 12.16	64.17	+22 2 28.5	1 48.8	0.129558	11 12
23	1 12 7.99	63.58	22 0 39.7	1 57.8	0.129699	11 12
24	1 11 4.41	62.89	21 58 41.9	2 6.3	0.129925	11 12
25	1 10 1.52	62.13	21 56 35.6	2 14.3	0.130235	11 13
26	1 8 59.39	−61.29	21 54 21.3	−2 21.9	0.130629	11 14
27	1 7 58.10	60.37	+21 51 59.4	2 29.0	0.131104	11 14
28	1 6 57.73	59.35	21 49 30.4	2 35.6	0.131660	11 15
29	1 5 58.38	58.28	21 46 54.8	2 41.9	0.132296	11 16
30	1 5 0.10	57.14	21 44 12.9	2 47.5	0.133012	11 17
31	1 4 2.96	−55.93	21 41 25.4	−2 52.8	0.133806	11 19
Nov. 1	1 3 7.03	54.65	+21 38 32.6	2 57.5	0.134678	11 20
2	1 2 12.38	53.30	21 35 35.1	3 1.8	0.135626	11 21
3	1 1 19.08	51.90	21 32 33.3	3 5.5	0.136649	11 23
4	1 0 27.18	50.45	21 29 27.8	3 8.7	0.137745	11 24
5	0 59 36.73	−48.92	21 26 19.1	−3 11.5	0.138914	11 26
6	0 58 47.81	47.33	+21 23 7.6	3 13.7	0.140154	11 28
7	0 58 0.48		21 19 53.9		0.141464	11 30

Opp. in AR. Okt. 15 Gröſse = 10.6

P. Neugebauer.

(24) THEMIS 1906.

12^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Okt. 0	1 34 3.62	−40.52	+9 29 10.0	−3 45.9	0.36909	19 26
1	1 33 23.10	41.15	9 25 24.1	3 49.7	0.36811	19 23
2	1 32 41.95	41.76	9 21 34.4	3 53.5	0.36718	19 21
3	1 32 0.19	42.32	9 17 40.9	3 56.9	0.36630	19 18
4	1 31 17.87	−42.85	9 13 44.0	−4 0.3	0.36547	19 16
5	1 30 35.02	43.34	+9 9 43.7	4 3.3	0.36469	19 14
6	1 29 51.68	43.79	9 5 40.4	4 6.1	0.36397	19 12
7	1 29 7.89	44.20	9 1 34.3	4 8.8	0.36330	19 10
8	1 28 23.69	44.57	8 57 25.5	4 11.2	0.36268	19 9
9	1 27 39.12	−44.89	8 53 14.3	−4 13.4	0.36212	19 7
10	1 26 54.23	45.18	+8 49 0.9	4 15.4	0.36161	19 6
11	1 26 9.05	45.41	8 44 45.5	4 17.1	0.36115	19 4
12	1 25 23.64	45.61	8 40 28.4	4 18.5	0.36075	19 3
13	1 24 38.03	45.75	8 36 9.9	4 19.7	0.36041	19 3
14	1 23 52.28	−45.85	8 31 50.2	−4 20.5	0.36012	19 2
15	1 23 6.43	45.90	+8 27 29.7	4 21.1	0.35989	19 1
☍ 16	1 22 20.53	45.91	8 23 8.6	4 21.5	0.35972	19 1
17	1 21 34.62	45.86	8 18 47.1	4 21.5	0.35961	19 0
18	1 20 48.76	45.77	8 14 25.6	4 21.2	0.35955	19 0
19	1 20 2.99	−45.63	8 10 4.4	−4 20.7	0.35955	19 0
20	1 19 17.36	45.43	+8 5 43.7	4 19.9	0.35960	19 0
21	1 18 31.93	45.20	8 1 23.8	4 18.7	0.35971	19 1
22	1 17 46.73	44.92	7 57 5.1	4 17.4	0.35988	19 1
23	1 17 1.81	44.59	7 52 47.7	4 15.7	0.36010	19 2
24	1 16 17.22	−44.21	7 48 32.0	−4 13.7	0.36038	19 3
25	1 15 33.01	43.81	+7 44 18.3	4 11.5	0.36071	19 4
26	1 14 49.20	43.35	7 40 6.8	4 9.1	0.36110	19 5
27	1 14 5.85	42.86	7 35 57.7	4 6.3	0.36155	19 6
28	1 13 22.99	42.32	7 31 51.4	4 3.3	0.36205	19 7
29	1 12 40.67	−41.75	7 27 48.1	−4 0.1	0.36260	19 8
30	1 11 58.92	41.14	+7 23 48.0	3 56.6	0.36321	19 10
31	1 11 17.78	40.49	7 19 51.4	3 52.9	0.36387	19 12
Nov. 1	1 10 37.29	39.80	7 15 58.5	3 48.9	0.36458	19 14
2	1 9 57.49	39.09	7 12 9.6	3 44.8	0.36534	19 16
3	1 9 18.40	−38.34	7 8 24.8	−3 40.4	0.36615	19 18
4	1 8 40.06	37.56	+7 4 44.4	3 35.9	0.36701	19 20
5	1 8 2.50		7 1 8.5		0.36791	19 23

Opp. in AR. Okt. 16 Gröfse = 11.1

E. Strömgren.

(313) CHALDAEA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Sept. 18	1 43 52.65	−28.40	+4 50 4.4	− 8 58.4	0.199455	13 9
19	1 43 24.25	29.88	4 41 6.0	9 7.5	0.197254	13 5
20	1 42 54.37	31.32	4 31 58.5	9 16.2	0.195106	13 1
21	1 42 23.05	32.73	4 22 42.3	9 24.5	0.193011	12 57
22	1 41 50.32	−34.10	4 13 17.8	− 9 32.5	0.190973	12 54
23	1 41 16.22	35.43	+4 3 45.3	9 40.0	0.188992	12 50
24	1 40 40.79	36.73	3 54 5.3	9 47.2	0.187069	12 47
25	1 40 4.06	37.99	3 44 18.1	9 53.9	0.185207	12 44
26	1 39 26.07	39.21	3 34 24.2	10 0.1	0.183408	12 40
27	1 38 46.86	−40.40	3 24 24.1	−10 6.0	0.181672	12 37
28	1 38 6.46	41.54	+3 14 18.1	10 11.3	0.180002	12 35
29	1 37 24.92	42.63	3 4 6.8	10 16.2	0.178399	12 32
30	1 36 42.29	43.68	2 53 50.6	10 20.5	0.176865	12 29
Okt. 1	1 35 58.61	44.68	2 43 30.1	10 24.4	0.175400	12 27
2	1 35 13.93	−45.64	2 33 5.7	−10 27.7	0.174007	12 24
3	1 34 28.29	46.54	+2 22 38.0	10 30.4	0.172686	12 22
4	1 33 41.75	47.39	2 12 7.6	10 32.6	0.171440	12 20
5	1 32 54.36	48.18	2 1 35.0	10 34.3	0.170269	12 18
6	1 32 6.18	48.92	1 51 0.7	10 35.3	0.169175	12 16
7	1 31 17.26	−49.61	1 40 25.4	−10 35.7	0.168158	12 14
8	1 30 27.65	50.22	+1 29 49.7	10 35.6	0.167220	12 13
9	1 29 37.43	50.77	1 19 14.1	10 34.8	0.166362	12 11
10	1 28 46.66	51.26	1 8 39.3	10 33.4	0.165584	12 10
11	1 27 55.40	51.67	0 58 5.9	10 31.3	0.164888	12 9
12	1 27 3.73	−52.02	0 47 34.6	−10 28.7	0.164273	12 8
13	1 26 11.71	52.30	+0 37 5.9	10 25.3	0.163741	12 7
14	1 25 19.41	52.50	0 26 40.6	10 21.3	0.163292	12 6
15	1 24 26.91	52.63	0 16 19.3	10 16.7	0.162927	12 5
☍ 16	1 23 34.28	52.69	+0 6 2.6	10 11.4	0.162646	12 5
17	1 22 41.59	−52.67	−0 4 8.8	−10 5.4	0.162449	12 5
18	1 21 48.92	52.57	−0 14 14.2	9 58.9	0.162335	12 5
19	1 20 56.35	52.41	0 24 13.1	9 51.7	0.162305	12 5
20	1 20 3.94	52.16	0 34 4.8	9 43.9	0.162358	12 5
21	1 19 11.78	51.85	0 43 48.7	9 35.5	0.162493	12 5
22	1 18 19.93	−51.46	0 53 24.2	− 9 26.4	0.162711	12 5
23	1 17 28.47	51.01	−1 2 50.6	9 16.9	0.163010	12 6
24	1 16 37.46		1 12 7.5		0.163389	12 6

Opp. in AR. Okt. 16 Grölse = 10.4

A. Berberich.

(76) FREIA 1906.

12ʰ Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aber.-Zt.
Okt. 2	1ʰ 36ᵐ 44ˢ.39	−46ˢ.47	+10° 42′ 52″.6	−4′ 54″.2	0.330471	17ᵐ 47ˢ
3	1 35 57.92	47.16	10 37 58.4	4 59.2	0.329416	17 44
4	1 35 10.76	47.82	10 32 59.2	5 3.9	0.328417	17 42
5	1 34 22.94	48.41	10 27 55.3	5 8.3	0.327475	17 40
6	1 33 34.53	−48.96	10 22 47.0	−5 12.5	0.326590	17 38
7	1 32 45.57	49.47	+10 17 34.5	5 16.5	0.325764	17 36
8	1 31 56.10	49.93	10 12 18.0	5 20.2	0.324999	17 34
9	1 31 6.17	50.34	10 6 57.8	5 23.5	0.324293	17 32
10	1 30 15.83	50.69	10 1 34.3	5 26.6	0.323649	17 30
11	1 29 25.14	−51.00	9 56 7.7	−5 29.4	0.323066	17 29
12	1 28 34.14	51.26	+ 9 50 38.3	5 32.0	0.322545	17 28
13	1 27 42.88	51.47	9 45 6.3	5 34.2	0.322088	17 27
14	1 26 51.41	51.62	9 39 32.1	5 36.1	0.321695	17 26
15	1 25 59.79	51.70	9 33 56.0	5 37.6	0.321365	17 25
☍ 16	1 25 8.09	−51.74	9 28 18.4	−5 38.8	0.321099	17 24
17	1 24 16.35	51.73	+ 9 22 39.6	5 39.6	0.320898	17 24
18	1 23 24.62	51.66	9 17 0.0	5 40.0	0.320761	17 23
19	1 22 32.96	51.52	9 11 20.0	5 40.2	0.320688	17 23
20	1 21 41.44	51.34	9 5 39.8	5 40.0	0.320679	17 23
21	1 20 50.10	−51.11	8 59 59.8	−5 39.4	0.320735	17 24
22	1 19 58.99	50.82	+ 8 54 20.4	5 38.5	0.320856	17 24
23	1 19 8.17	50.48	8 48 41.9	5 37.2	0.321040	17 25
24	1 18 17.69	50.09	8 43 4.7	5 35.6	0.321288	17 25
25	1 17 27.60	49.64	8 37 29.1	5 33.6	0.321600	17 26
26	1 16 37.96	−49.16	8 31 55.5	−5 31.4	0.321976	17 26
27	1 15 48.80	48.61	+ 8 26 24.1	5 28.7	0.322413	17 27
28	1 15 0.19	48.01	8 20 55.4	5 25.7	0.322909	17 29
29	1 14 12.18	47.37	8 15 29.7	5 22.5	0.323465	17 30
30	1 13 24.81	46.71	8 10 7.2	5 18.9	0.324081	17 31
31	1 12 38.10	−46.00	8 4 48.3	−5 15.1	0.324755	17 33
Nov. 1	1 11 52.10	45.24	+ 7 59 33.2	5 10.9	0.325488	17 35
2	1 11 6.86	44.44	7 54 22.3	5 6.5	0.326279	17 37
3	1 10 22.42	43.61	7 49 15.8	5 1.8	0.327127	17 39
4	1 9 38.81	42.73	7 44 14.0	4 56.7	0.328031	17 41
5	1 8 56.08	−41.80	7 39 17.3	−4 51.4	0.328990	17 43
6	1 8 14.28	40.84	+ 7 34 25.9	4 46.0	0.330004	17 46
7	1 7 33.44		7 29 39.9		0.331070	17 49

Opp. in AR. Okt. 16 Gröfse = 11.5

P. Neugebauer.

(288) GLAUKE 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ' "	' "		m s
Okt. 12	2 17 11.67	−45.39	+7 15 15.6	−4 34.6	0.371183	19 32
13	2 16 26.28	45.99	7 10 41.0	4 35.5	0.370464	19 30
14	2 15 40.29	46.55	7 6 5.5	4 36.0	0.369797	19 28
15	2 14 53.74	47.07	7 1 29.5	4 36.4	0.369184	19 26
16	2 14 6.67	−47.54	6 56 53.1	−4 36.4	0.368625	19 25
17	2 13 19.13	47.97	+6 52 16.7	4 36.3	0.368120	19 23
18	2 12 31.16	48.35	6 47 40.4	4 35.9	0.367670	19 22
19	2 11 42.81	48.69	6 43 4.5	4 35.0	0.367276	19 21
20	2 10 54.12	48.97	6 38 29.5	4 34.1	0.366938	19 20
21	2 10 5.15	−49.20	6 33 55.4	−4 32.8	0.366656	19 19
22	2 9 15.95	49.40	+6 29 22.6	4 31.2	0.366431	19 19
23	2 8 26.55	49.54	6 24 51.4	4 29.5	0.366262	19 18
24	2 7 37.01	49.64	6 20 21.9	4 27.3	0.366150	19 18
25	2 6 47.37	49.68	6 15 54.6	4 25.0	0.366095	19 18
26	2 5 57.69	−49.69	6 11 29.6	−4 22.5	0.366097	19 18
☍ 27	2 5 8.00	49.64	+6 7 7.1	4 19.6	0.366156	19 18
28	2 4 18.36	49.55	6 2 47.5	4 16.5	0.366271	19 18
29	2 3 28.81	49.42	5 58 31.0	4 13.2	0.366443	19 19
30	2 2 39.39	49.25	5 54 17.8	4 9.7	0.366671	19 20
31	2 1 50.14	−49.01	5 50 8.1	−4 5.8	0.366956	19 20
Nov. 1	2 1 1.13	48.75	+5 46 2.3	4 1.8	0.367296	19 21
2	2 0 12.38	48.44	5 42 0.5	3 57.6	0.367692	19 22
3	1 59 23.94	48.09	5 38 2.9	3 53.0	0.368143	19 23
4	1 58 35.85	47.68	5 34 9.9	3 48.4	0.368649	19 25
5	1 57 48.17	−47.24	5 30 21.5	−3 43.4	0.369209	19 26
6	1 57 0.93	46.76	+5 26 38.1	3 38.3	0.369823	19 28
7	1 56 14.17	46.24	5 22 59.8	3 33.0	0.370490	19 30
8	1 55 27.93	45.66	5 19 26.8	3 27.4	0.371210	19 32
9	1 54 42.27	45.06	5 15 59.4	3 21.7	0.371982	19 34
10	1 53 57.21	−44.41	5 12 37.7	−3 15.7	0.372806	19 36
11	1 53 12.80	43.73	+5 9 22.0	3 9.6	0.373680	19 38
12	1 52 29.07	42.99	5 6 12.4	3 3.3	0.374604	19 41
13	1 51 46.08	42.23	5 3 9.1	2 56.9	0.375578	19 44
14	1 51 3.85	41.43	5 0 12.2	2 50.2	0.376599	19 46
15	1 50 22.42	−40.59	4 57 22.0	−2 43.4	0.377668	19 49
16	1 49 41.83	39.72	+4 54 38.6	2 36.4	0.378783	19 52
17	1 49 2.11		4 52 2.2		0.379943	19 56

Opp. in AR. Okt. 27 Gröſse = 13.5

W. Luther.

(121) HERMIONE 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
Okt. 14	2h 52m 35s.64	−38s.56	+9° 1′ 21″.1	−2′ 8″.8	0.322826	17m 28s
15	2 51 57.08	39.45	8 59 12.3	2 9.4	0.321965	17 26
16	2 51 17.63	40.30	8 57 2.9	2 9.9	0.321156	17 24
17	2 50 37.33	41.10	8 54 53.0	2 10.1	0.320401	17 22
18	2 49 56.23	−41.86	8 52 42.9	−2 10.2	0.319700	17 21
19	2 49 14.37	42.56	+8 50 32.7	2 10.2	0.319054	17 19
20	2 48 31.81	43.23	8 48 22.5	2 9.8	0.318464	17 18
21	2 47 48.58	43.85	8 46 12.7	2 9.3	0.317931	17 16
22	2 47 4.73	44.42	8 44 3.4	2 8.6	0.317456	17 15
23	2 46 20.31	−44.94	8 41 54.8	−2 7.6	0.317039	17 14
24	2 45 35.37	45.41	+8 39 47.2	2 6.5	0.316681	17 14
25	2 44 49.96	45.84	8 37 40.7	2 5.1	0.316381	17 13
26	2 44 4.12	46.21	8 35 35.6	2 3.6	0.316141	17 12
27	2 43 17.91	46.53	8 33 32.0	2 1.8	0.315961	17 12
28	2 42 31.38	−46.80	8 31 30.2	−1 59.9	0.315841	17 12
29	2 41 44.58	47.03	+8 29 30.3	1 57.7	0.315782	17 12
30	2 40 57.55	47.21	8 27 32.6	1 55.3	0.315783	17 11
31	2 40 10.34	47.34	8 25 37.3	1 52.8	0.315844	17 12
Nov. 1	2 39 23.00	47.42	8 23 44.5	1 50.0	0.315966	17 12
2	2 38 35.58	−47.46	8 21 54.5	−1 47.0	0.316149	17 12
3	2 37 48.12	47.44	+8 20 7.5	1 43.9	0.316392	17 13
☍ 4	2 37 0.68	47.36	8 18 23.6	1 40.6	0.316696	17 14
5	2 36 13.32	47.24	8 16 43.0	1 37.0	0.317060	17 15
6	2 35 26.08	47.07	8 15 6.0	1 33.4	0.317485	17 16
7	2 34 39.01	−46.84	8 13 32.6	−1 29.6	0.317970	17 17
8	2 33 52.17	46.57	+8 12 3.0	1 25.5	0.318515	17 18
9	2 33 5.60	46.24	8 10 37.5	1 21.3	0.319119	17 19
10	2 32 19.36	45.86	8 9 16.2	1 16.9	0.319783	17 21
11	2 31 33.50	45.43	8 7 59.3	1 12.4	0.320507	17 23
12	2 30 48.07	−44.96	8 6 46.9	−1 7.6	0.321289	17 25
13	2 30 3.11	44.44	+8 5 39.3	1 2.6	0.322129	17 27
14	2 29 18.67	43.87	8 4 36.7	0 57.6	0.323027	17 29
15	2 28 34.80	43.25	8 3 39.1	0 52.4	0.323981	17 31
16	2 27 51.55	42.59	8 2 46.7	0 47.1	0.324991	17 34
17	2 27 8.96	−41.89	8 1 59.6	−0 41.5	0.326056	17 36
18	2 26 27.07	41.16	+8 1 18.1	0 35.6	0.327175	17 39
19	2 25 45.91		8 0 42.5		0.328347	17 43

Opp. in AR. Nov. 4 Gröſse = 10.6

P. Neugebauer.

(241) GERMANIA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
Nov. 11	4h 42m 17.61s	−45.83s	+25° 58′ 13.8″	−2′ 18.0″	0.308598	16m 54s
12	4 41 31.78	46.83	25 55 55.8	2 22.9	0.307651	16 52
13	4 40 44.95	47.79	25 53 32.9	2 27.7	0.306758	16 50
14	4 39 57.16	48.68	25 51 5.2	2 32.4	0.305922	16 48
15	4 39 8.48	−49.52	25 48 32.8	−2 37.1	0.305142	16 46
16	4 38 18.96	50.30	+25 45 55.7	2 41.8	0.304420	16 45
17	4 37 28.66	51.01	25 43 13.9	2 46.4	0.303757	16 43
18	4 36 37.65	51.67	25 40 27.5	2 50.8	0.303154	16 42
19	4 35 45.98	52.27	25 37 36.7	2 55.3	0.302612	16 41
20	4 34 53.71	−52.81	25 34 41.4	−2 59.6	0.302131	16 39
21	4 34 0.90	53.28	+25 31 41.8	3 3.7	0.301711	16 38
22	4 33 7.62	53.69	25 28 38.1	3 7.8	0.301354	16 38
23	4 32 13.93	54.03	25 25 30.3	3 11.8	0.301060	16 37
24	4 31 19.90	54.33	25 22 18.5	3 15.5	0.300830	16 36
25	4 30 25.57	−54.55	25 19 3.0	−3 19.3	0.300663	16 36
26	4 29 31.02	54.70	+25 15 43.7	3 22.7	0.300560	16 36
27	4 28 36.32	54.81	25 12 21.0	3 26.1	0.300521	16 36
28	4 27 41.51	54.84	25 8 54.9	3 29.3	0.300547	16 36
29	4 26 46.67	54.82	25 5 25.6	3 32.4	0.300637	16 36
☍ 30	4 25 51.85	−54.73	25 1 53.2	−3 35.1	0.300791	16 36
Dez. 1	4 24 57.12	54.59	+24 58 18.1	3 37.9	0.301010	16 37
2	4 24 2.53	54.38	24 54 40.2	3 40.3	0.301294	16 37
3	4 23 8.15	54.10	24 50 59.9	3 42.6	0.301642	16 38
4	4 22 14.05	53.78	24 47 17.3	3 44.6	0.302054	16 39
5	4 21 20.27	−53.39	24 43 32.7	−3 46.5	0.302530	16 40
6	4 20 26.88	52.94	+24 39 46.2	3 48.1	0.303069	16 42
7	4 19 33.94	52.43	24 35 58.1	3 49.6	0.303672	16 43
8	4 18 41.51	51.86	24 32 8.5	3 50.7	0.304338	16 44
9	4 17 49.65	51.24	24 28 17.8	3 51.8	0.305066	16 46
10	4 16 58.41	−50.57	24 24 26.0	−3 52.5	0.305856	16 48
11	4 16 7.84	49.82	+24 20 33.5	3 53.0	0.306707	16 50
12	4 15 18.02	49.03	24 16 40.5	3 53.2	0.307619	16 52
13	4 14 28.99	48.19	24 12 47.3	3 53.3	0.308591	16 54
14	4 13 40.80	47.29	24 8 54.0	3 53.0	0.309621	16 57
15	4 12 53.51	−46.34	24 5 1.0	−3 52.4	0.310710	16 59
16	4 12 7.17	45.34	+24 1 8.6	3 51.8	0.311856	17 2
17	4 11 21.83		23 57 16.8		0.313058	17 5

Opp. in AR. Nov. 30 Größe = 11.1

W. Luther.

(90) ANTIOPE 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Nov. 7	5 6 7.32	−36.78	+22 43 2.7	−0 19.9	0.397313	20 44
8	5 5 30.54	37.90	22 42 42.8	0 21.7	0.396189	20 41
9	5 4 52.64	38.98	22 42 21.1	0 23.4	0.395105	20 38
10	5 4 13.66	40.03	22 41 57.7	0 25.2	0.394061	20 35
11	5 3 33.63	−41.05	22 41 32.5	−0 27.0	0.393060	20 32
12	5 2 52.58	42.04	+22 41 5.5	0 28.8	0.392102	20 30
13	5 2 10.54	43.01	22 40 36.7	0 30.7	0.391187	20 27
14	5 1 27.53	43.93	22 40 6.0	0 32.5	0.390316	20 25
15	5 0 43.60	44.80	22 39 33.5	0 34.4	0.389491	20 22
16	4 59 58.80	−45.63	22 38 59.1	−0 36.4	0.388713	20 20
17	4 59 13.17	46.42	+22 38 22.7	0 38.2	0.387984	20 18
18	4 58 26.75	47.18	22 37 44.5	0 40.2	0.387306	20 16
19	4 57 39.57	47.88	22 37 4.3	0 42.0	0.386680	20 14
20	4 56 51.69	48.53	22 36 22.3	0 43.7	0.386104	20 13
21	4 56 3.16	−49.14	22 35 38.6	−0 45.6	0.385579	20 11
22	4 55 14.02	49.71	+22 34 53.0	0 47.5	0.385104	20 10
23	4 54 24.31	50.22	22 34 5.5	0 49.2	0.384681	20 9
24	4 53 34.09	50.68	22 33 16.3	0 50.7	0.384310	20 8
25	4 52 43.41	51.10	22 32 25.6	0 52.2	0.383992	20 7
26	4 51 52.31	−51.48	22 31 33.4	−0 53.8	0.383728	20 6
27	4 51 0.83	51.79	+22 30 39.6	0 55.3	0.383519	20 6
28	4 50 9.04	52.06	22 29 44.3	0 56.8	0.383364	20 5
29	4 49 16.98	52.28	22 28 47.5	0 58.3	0.383263	20 5
30	4 48 24.70	52.45	22 27 49.2	0 59.7	0.383217	20 5
Dez. 1	4 47 32.25	−52.56	22 26 49.5	−1 1.0	0.383225	20 5
2	4 46 39.69	52.63	+22 25 48.5	1 2.4	0.383289	20 5
3	4 45 47.06	52.65	22 24 46.1	1 3.6	0.383408	20 5
4	4 44 54.41	52.61	22 23 42.5	1 4.8	0.383582	20 6
☍ 5	4 44 1.80	52.52	22 22 37.7	1 5.8	0.383812	20 6
6	4 43 9.28	−52.39	22 21 31.9	−1 6.7	0.384097	20 7
7	4 42 16.89	52.20	+22 20 25.2	1 7.5	0.384437	20 8
8	4 41 24.69	51.96	22 19 17.7	1 8.2	0.384833	20 9
9	4 40 32.73	51.68	22 18 9.5	1 8.8	0.385283	20 10
10	4 39 41.05	51.34	22 17 0.7	1 9.2	0.385788	20 12
11	4 38 49.71	−50.96	22 15 51.5	−1 9.6	0.386347	20 13
12	4 37 58.75	50.52	+22 14 41.9	1 9.8	0.386960	20 15
13	4 37 8.23		22 13 32.1		0.387627	20 17

Opp. in AR. Dez. 5 Größe = 12.1

P. Neugebauer.

(176) IDUNNA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
Nov. 28	5h 45m 53s.22	−42s.80	−5° 23′ 26″.0	−7′ 30″.9	0.287544	16m 6s
29	5 45 10.42	43.60	5 30 56.9	7 17.6	0.287086	16 6
30	5 44 26.82	44.35	5 38 14.5	7 4.1	0.286682	16 5
Dez. 1	5 43 42.47	45.05	5 45 18.6	6 50.3	0.286333	16 4
2	5 42 57.42	−45.70	5 52 8.9	−6 36.3	0.286039	16 3
3	5 42 11.72	46.32	−5 58 45.2	6 22.0	0.285800	16 3
4	5 41 25.40	46.88	6 5 7.2	6 7.4	0.285617	16 2
5	5 40 38.52	47.38	6 11 14.6	5 52.5	0.285490	16 2
6	5 39 51.14	47.82	6 17 7.1	5 37.5	0.285419	16 2
7	5 39 3.32	−48.23	6 22 44.6	−5 22.2	0.285404	16 2
8	5 38 15.09	48.58	−6 28 6.8	5 6.7	0.285447	16 2
9	5 37 26.51	48.85	6 33 13.5	4 50.9	0.285547	16 2
10	5 36 37.66	49.08	6 38 4.4	4 35.0	0.285703	16 2
11	5 35 48.58	49.25	6 42 39.4	4 18.8	0.285917	16 3
12	5 34 59.33	−49.36	6 46 58.2	−4 2.5	0.286189	16 4
13	5 34 9.97	49.41	−6 51 0.7	3 46.2	0.286519	16 5
14	5 33 20.56	49.40	6 54 46.9	3 29.8	0.286905	16 5
☍ 15	5 32 31.16	49.32	6 58 16.7	3 13.3	0.287349	16 6
16	5 31 41.84	49.18	7 1 30.0	2 56.7	0.287849	16 7
17	5 30 52.66	−48.99	7 4 26.7	−2 40.1	0.288405	16 8
18	5 30 3.67	48.74	−7 7 6.8	2 23.5	0.289017	16 10
19	5 29 14.93	48.43	7 9 30.3	2 7.0	0.289685	16 11
20	5 28 26.50	48.06	7 11 37.3	1 50.4	0.290407	16 13
21	5 27 38.44	47.64	7 13 27.7	1 33.9	0.291183	16 15
22	5 26 50.80	−47.17	7 15 1.6	−1 17.5	0.292014	16 17
23	5 26 3.63	46.64	−7 16 19.1	1 1.3	0.292898	16 19
24	5 25 16.99	46.06	7 17 20.4	0 45.2	0.293833	16 21
25	5 24 30.93	45.43	7 18 5.6	0 29.1	0.294819	16 23
26	5 23 45.50	44.75	7 18 34.7	−0 13.2	0.295857	16 25
27	5 23 0.75	−44.04	7 18 47.9	+0 2.4	0.296945	16 28
28	5 22 16.71	43.28	−7 18 45.5	0 18.0	0.298082	16 30
29	5 21 33.43	42.46	7 18 27.5	0 33.3	0.299268	16 33
30	5 20 50.97	41.62	7 17 54.2	0 48.4	0.300501	16 36
31	5 20 9.35	40.73	7 17 5.8	1 3.3	0.301781	16 39
32	5 19 28.62	−39.80	7 16 2.5	+1 18.0	0.303106	16 42
33	5 18 48.82	38.83	−7 14 44.5	1 32.5	0.304476	16 45
34	5 18 9.99		7 13 12.0		0.305889	16 48

Opp. in AR. Dez. 15   Gröſse = 11.6

P. Neugebauer.

(19) FORTUNA 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Nov. 28	5 56 49.46	−51.58	+21 25 1.4	−1 6.3	0.083051	10 3
29	5 55 57.88	53.09	21 23 55.1	1 6.4	0.081926	10 2
30	5 55 4.79	54.54	21 22 48.7	1 6.3	0.080882	10 0
Dez. 1	5 54 10.25	55.90	21 21 42.4	1 6.3	0.079922	9 59
2	5 53 14.35	−57.17	21 20 36.1	−1 6.2	0.079046	9 58
3	5 52 17.18	58.37	+21 19 29.9	1 6.2	0.078256	9 57
4	5 51 18.81	59.50	21 18 23.7	1 6.1	0.077554	9 56
5	5 50 19.31	60.53	21 17 17.6	1 6.1	0.076940	9 55
6	5 49 18.78	61.46	21 16 11.5	1 6.0	0.076417	9 54
7	5 48 17.32	−62.30	21 15 5.5	−1 6.0	0.075985	9 54
8	5 47 15.02	63.05	+21 13 59.5	1 6.0	0.075645	9 53
9	5 46 11.97	63.72	21 12 53.5	1 5.9	0.075399	9 53
10	5 45 8.25	64.24	21 11 47.6	1 5.7	0.075249	9 53
11	5 44 4.01	64.68	21 10 41.9	1 5.7	0.075194	9 53
12	5 42 59.33	−65.02	21 9 36.2	−1 5.5	0.075236	9 53
13	5 41 54.31	65.26	+21 8 30.7	1 5.4	0.075375	9 53
14	5 40 49.05	65.36	21 7 25.3	1 5.2	0.075611	9 53
15	5 39 43.69	65.37	21 6 20.1	1 4.7	0.075945	9 54
16	5 38 38.32	65.25	21 5 15.4	1 4.2	0.076375	9 54
☍ 17	5 37 33.07	−65.04	21 4 11.2	−1 3.5	0.076903	9 55
18	5 36 28.03	64.73	+21 3 7.7	1 2.8	0.077527	9 56
19	5 35 23.30	64.32	21 2 4.9	1 2.1	0.078247	9 57
20	5 34 18.98	63.80	21 1 2.8	1 1.2	0.079062	9 58
21	5 33 15.18	63.18	21 0 1.6	1 0.2	0.079971	9 59
22	5 32 12.00	−62.47	20 59 1.4	−0 59.2	0.080974	10 1
23	5 31 9.53	61.63	+20 58 2.2	0 57.9	0.082070	10 2
24	5 30 7.90	60.64	20 57 4.3	0 56.6	0.083257	10 4
25	5 29 7.26	59.61	20 56 7.7	0 55.3	0.084533	10 6
26	5 28 7.65	58.54	20 55 12.4	0 53.9	0.085898	10 8
27	5 27 9.11	−57.40	20 54 18.5	−0 52.3	0.087349	10 10
28	5 26 11.71	56.16	+20 53 26.2	0 50.7	0.088885	10 12
29	5 25 15.55	54.86	20 52 35.5	0 48.9	0.090505	10 14
30	5 24 20.69	53.50	20 51 46.6	0 47.1	0.092207	10 16
31	5 23 27.19	52.07	20 50 59.5	0 45.1	0.093990	10 19
32	5 22 35.12	−50.58	20 50 14.4	−0 43.0	0.095852	10 22
33	5 21 44.54	49.03	+20 49 31.4	0 40.7	0.097789	10 24
34	5 20 55.51		20 48 50.7		0.099798	10 27

Opp. in AR. Dez. 17 Größe = 9.2

P. Neugebauer.

(113) AMALTHEA 1906.

12^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ' "	' "		m s
Nov. 25	6 0 12.33	−46.64	+17 53 20.1	+0 12.4	0.190330	12 52
26	5 59 25.69	48.20	17 53 32.5	0 15.1	0.188486	12 49
27	5 58 37.49	49.71	17 53 47.6	0 17.8	0.186701	12 46
28	5 57 47.78	51.18	17 54 5.4	0 20.5	0.184979	12 43
29	5 56 56.60	−52.59	17 54 25.9	+0 23.1	0.183320	12 40
30	5 56 4.01	53.95	+17 54 49.0	0 25.8	0.181726	12 37
Dez. 1	5 55 10.06	55.26	17 55 14.8	0 28.5	0.180199	12 35
2	5 54 14.80	56.52	17 55 43.3	0 31.0	0.178740	12 32
3	5 53 18.28	57.71	17 56 14.3	0 33.6	0.177352	12 30
4	5 52 20.57	−58.83	17 56 47.9	+0 36.2	0.176035	12 28
5	5 51 21.74	59.90	+17 57 24.1	0 38.7	0.174792	12 25
6	5 50 21.84	60.89	17 58 2.8	0 41.2	0.173623	12 23
7	5 49 20.95	61.82	17 58 44.0	0 43.7	0.172530	12 22
8	5 48 19.13	62.67	17 59 27.7	0 46.2	0.171514	12 20
9	5 47 16.46	−63.44	18 0 13.9	+0 48.6	0.170577	12 18
10	5 46 13.02	64.14	+18 1 2.5	0 51.0	0.169720	12 17
11	5 45 8.88	64.75	18 1 53.5	0 53.5	0.168944	12 15
12	5 44 4.13	65.27	18 2 47.0	0 55.8	0.168250	12 14
13	5 42 58.86	65.72	18 3 42.8	0 58.1	0.167638	12 13
14	5 41 53.14	−66.06	18 4 40.9	+1 0.6	0.167111	12 12
15	5 40 47.08	66.32	+18 5 41.5	1 2.9	0.166667	12 12
16	5 39 40.76	66.49	18 6 44.4	1 5.2	0.166308	12 11
☍ 17	5 38 34.27	66.57	18 7 49.6	1 7.5	0.166034	12 11
18	5 37 27.70	66.54	18 8 57.1	1 9.9	0.165845	12 10
19	5 36 21.16	−66.44	18 10 7.0	+1 12.2	0.165742	12 10
20	5 35 14.72	66.24	+18 11 19.2	1 14.5	0.165723	12 10
21	5 34 8.48	65.95	18 12 33.7	1 16.8	0.165789	12 10
22	5 33 2.53	65.58	18 13 50.5	1 19.1	0.165939	12 10
23	5 31 56.95	65.12	18 15 9.6	1 21.4	0.166174	12 11
24	5 30 51.83	−64.57	18 16 31.0	+1 23.7	0.166491	12 11
25	5 29 47.26	63.96	+18 17 54.7	1 26.0	0.166891	12 12
26	5 28 43.30	63.25	18 19 20.7	1 28.2	0.167373	12 13
27	5 27 40.05	62.48	18 20 48.9	1 30.6	0.167936	12 14
28	5 26 37.57	61.62	18 22 19.5	1 32.9	0.168579	12 15
29	5 25 35.95	−60.68	18 23 52.4	+1 35.2	0.169301	12 16
30	5 24 35.27	59.69	+18 25 27.6	1 37.5	0.170101	12 17
31	5 23 35.58		18 27 5.1		0.170978	12 19

Opp. in AR. Dez. 17 Größe = 11.2

W. Luther.

(46) HESTIA 1906.

12h Mittl. Zeit	AR. h m s	Diff. s	Dekl. ° ′ ″	Diff. ″	Log. Δ	Aberr.-Zt. m s
Nov. 30	6 13 11.52	−51.65	+19 45 43.2	−32.3	0.181935	12 37
Dez. 1	6 12 19.87	52.97	19 45 10.9	30.7	0.180942	12 36
2	6 11 26.90	54.26	19 44 40.2	29.2	0.180017	12 35
3	6 10 32.64	55.48	19 44 11.0	27.8	0.179162	12 33
4	6 9 37.16	−56.63	19 43 43.2	−26.3	0.178378	12 32
5	6 8 40.53	57.71	+19 43 16.9	24.9	0.177667	12 30
6	6 7 42.82	58.73	19 42 52.0	23.5	0.177030	12 29
7	6 6 44.09	59.67	19 42 28.5	22.2	0.176468	12 28
8	6 5 44.42	60.55	19 42 6.3	21.0	0.175981	12 28
9	6 4 43.87	−61.34	19 41 45.3	−19.8	0.175573	12 27
10	6 3 42.53	62.05	+19 41 25.5	18.7	0.175244	12 26
11	6 2 40.48	62.68	19 41 6.8	17.5	0.174994	12 26
12	6 1 37.80	63.22	19 40 49.3	16.4	0.174825	12 26
13	6 0 34.58	63.68	19 40 32.9	15.2	0.174738	12 26
14	5 59 30.90	−64.04	19 40 17.7	−14.0	0.174734	12 26
15	5 58 26.86	64.33	+19 40 3.7	12.8	0.174812	12 26
16	5 57 22.53	64.52	19 39 50.9	11.7	0.174973	12 26
17	5 56 18.01	64.63	19 39 39.2	10.5	0.175217	12 27
18	5 55 13.38	64.64	19 39 28.7	9.4	0.175543	12 27
19	5 54 8.74	−64.56	19 39 19.3	−8.1	0.175952	12 28
☍ 20	5 53 4.18	64.40	+19 39 11.2	6.9	0.176444	12 28
21	5 51 59.78	64.15	19 39 4.3	5.7	0.177019	12 29
22	5 50 55.63	63.81	19 38 58.6	4.4	0.177676	12 31
23	5 49 51.82	63.40	19 38 54.2	3.1	0.178414	12 32
24	5 48 48.42	−62.90	19 38 51.1	−1.9	0.179232	12 33
25	5 47 45.52	62.32	+19 38 49.2	−0.6	0.180130	12 35
26	5 46 43.20	61.67	19 38 48.6	+0.8	0.181108	12 36
27	5 45 41.53	60.95	19 38 49.4	2.3	0.182164	12 38
28	5 44 40.58	60.15	19 38 51.7	3.6	0.183297	12 40
29	5 43 40.43	−59.28	19 38 55.3	+5.0	0.184506	12 42
30	5 42 41.15	58.34	+19 39 0.3	6.4	0.185791	12 45
31	5 41 42.81	57.34	19 39 6.7	7.8	0.187149	12 47
32	5 40 45.47	56.27	19 39 14.5	9.2	0.188579	12 50
33	5 39 49.20	55.14	19 39 23.7	10.6	0.190080	12 52
34	5 38 54.06	−53.96	19 39 34.3	+12.0	0.191650	12 55
35	5 38 0.10	52.71	+19 39 46.3	13.5	0.193288	12 58
36	5 37 7.39		19 39 59.8		0.194992	13 1

Opp. in AR. Dez. 20 Gröſse = 10.5

P. Neugebauer.

(247) EUKRATE 1906.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Nov. 30	6 39 6.87	−69.08	+64 58 2.5	+9 55.0	0.128109	11 9
Dez. 1	6 37 57.79	73.47	65 7 57.5	9 31.3	0.127407	11 8
2	6 36 44.32	77.79	65 17 28.8	9 6.8	0.126755	11 7
3	6 35 26.53	82.01	65 26 35.6	8 41.2	0.126155	11 6
4	6 34 4.52	−86.13	65 35 16.8	+8 14.8	0.125605	11 6
5	6 32 38.39	90.12	+65 43 31.6	7 47.5	0.125108	11 5
6	6 31 8.27	93.94	65 51 19.1	7 19.2	0.124663	11 4
7	6 29 34.33	97.62	65 58 38.3	6 50.1	0.124272	11 4
8	6 27 56.71	101.12	66 5 28.4	6 20.1	0.123935	11 3
9	6 26 15.59	−104.39	66 11 48.5	+5 49.3	0.123652	11 3
10	6 24 31.20	107.45	+66 17 37.8	5 17.6	0.123425	11 2
11	6 22 43.75	110.28	66 22 55.4	4 45.3	0.123253	11 2
12	6 20 53.47	112.86	66 27 40.7	4 12.2	0.123138	11 2
13	6 19 0.61	115.14	66 31 52.9	3 38.6	0.123080	11 2
14	6 17 5.47	−117.16	66 35 31.5	+3 4.6	0.123078	11 2
15	6 15 8.31	118.84	+66 38 36.1	2 30.0	0.123134	11 2
16	6 13 9.47	120.24	66 41 6.1	1 55.0	0.123248	11 2
17	6 11 9.23	121.32	66 43 1.1	1 19.9	0.123420	11 2
18	6 9 7.91	122.06	66 44 21.0	0 44.7	0.123650	11 3
19	6 7 5.85	−122.49	66 45 5.7	+0 9.2	0.123938	11 3
20	6 5 3.36	122.58	+66 45 14.9	−0 26.1	0.124284	11 4
21	6 3 0.78	122.37	66 44 48.8	1 1.3	0.124688	11 4
☍ 22	6 0 58.41	121.83	66 43 47.5	1 36.4	0.125150	11 5
23	5 58 56.58	120.99	66 42 11.1	2 11.2	0.125670	11 6
24	5 56 55.59	−119.84	66 39 59.9	−2 45.7	0.126247	11 7
25	5 54 55.75	118.40	+66 37 14.2	3 19.6	0.126881	11 8
26	5 52 57.35	116.68	66 33 54.6	3 53.3	0.127573	11 9
27	5 51 0.67	114.70	66 30 1.3	4 26.3	0.128321	11 10
28	5 49 5.97	112.45	66 25 35.0	4 58.8	0.129125	11 11
29	5 47 13.52	−109.97	66 20 36.2	−5 30.6	0.129985	11 12
30	5 45 23.55	107.26	+66 15 5.6	6 1.8	0.130901	11 14
31	5 43 36.29	104.32	66 9 3.8	6 32.2	0.131871	11 15
32	5 41 51.97	101.20	66 2 31.6	7 1.9	0.132897	11 17
33	5 40 10.77	97.88	65 55 29.7	7 30.6	0.133976	11 19
34	5 38 32.89	−94.40	65 47 59.1	−7 58.5	0.135109	11 20
35	5 36 58.49	90.76	+65 40 0.6	8 25.5	0.136294	11 22
36	5 35 27.73		65 31 35.1		0.137532	11 24

Opp. in AR. Dez. 22 Gröſse = 9.9

W. Luther

NACHWEISUNGEN ÜBER DIE KLEINEN PLANETEN (1) – (569).

Zur genaueren Bezeichnung derjenigen Stellen, an welchen die betreffenden Mitteilungen über die kleinen Planeten sich befinden, sind bei sämtlichen hier benutzten Zeitschriften, nämlich bei den Astronomischen Nachrichten (A. N.), dem Astronomical Journal (A. J.), dem Bulletin Astronomique (B. A.), den Mitteilungen der Nicolai Hauptsternwarte zu Pulkowo (M.P.) und den Comptes Rendus (C.R.) die Band- und Seitenzahlen angegeben.

Bei wiederholt veröffentlichten Beobachtungen ist nur die letzte Publikation angeführt.

A. Beobachtungen.

Ein Sternchen (*) bedeutet genäherte Angaben der betreffenden Planetenörter.

Nr. und Name	Beobachtungsort	Datum der Beobachtung	Publikation
1 Ceres . . .	Arcetri . . .	1904 Juli 16, 19, 20, 21, 23, 24	A. N. 169, 81
	Pola . . .	» Juni 4, 7	» » 166, 333
	Utrecht . .	1903 Jan. 16, 17, 21, 23, 27, 28, Febr. 2, 16, 18, März 16, April 29, Mai 1, 22 . .	» » 166, 215
2 Pallas . .	Arcetri . . .	1904 Juli 17, 18, 19, 20, 21, 23, Juli 26, 27, 28, 29, 30, 31, Aug. 1	» » 169, 81
3 Juno . . .	Arcetri . . .	» Aug. 20, 23, 26, 27, 29, Sept. 1, 6, 15, 16, 17, 19, 20	» » 169, 81
	Utrecht . .	1903 April 27, Mai 1, 2, 4, 19, Mai 22, 24, 25, 27, 30, Juni 15	» » 166, 215
4 Vesta . . .	Harvard Coll. .	1894 März 23*, 24*, 1902 Aug. 20*, Aug. 21*, 22*, Sept. 2* .	» » 168, 289
	Marseille . .	1904 Febr. 6, 11, 12, 13, 19, 20, 22	B. A. 21, 394
	Marseille . .	» Jan. 2, 4, 6, 7, 12, 13, 15, Jan. 16, 18, 19, 20, 21, 22, Jan. 23, 26, 27, 28, 29 .	» » 22, 336
	Pola . . .	1905 März 24, 30	A. N. 169, 89
	Utrecht . .	1903 Okt. 31, Nov. 5, 9, Dez. 21, Dez. 22	» » 166, 217
5 Astraea . .	Heidelberg . .	1905 Mai 9*, 23*, Juni 21*, 22*	» » 168, 127, 227, 355
6 Hebe . . .	Düsseldorf . .	1904 Juli 12, 14, 15 . . .	» » 167, 305
	Kasan . . .	1903 April 13	» » 166, 247
	Windsor N. S. W.	1904 Aug. 1, 2, 4, 5, 9, 10, Aug. 11, 16, 17, 18, 22, Aug. 23, 24	» » 168, 383

Nr. und Name	Beobachtungsort	Datum der Beobachtung		Publikation
7 Iris . . .	Algier . . .	1904	Febr. 10, 11, 12, 13, 15,	
			März 8, 9	A. N. 167, 11.
				B. A. 21, 459
	Straßburg . .	»	Febr. 24. März 4 . . .	A. N. 167. 197
	Toulouse . .	»	Jan. 6. Febr. 24. 25 . .	B. A. 22, 378
	Washington .	»	Jan. 5, 7. 9	A. J. 24. 131
8 Flora . . .	Heidelberg . .	1905	Juli 3*	A. N. 169, 31
	Toulouse . .	1901	April 10, 17, 18, 19. 20	B. A. 22, 376
	Washington .	1904	Febr. 8, 11, 20 . . .	A. J. 24, 132
9 Metis . . .	Kasan . . .	1903	März 31	A. N. 166, 247
10 Hygiea . .	Pola . . .	1905	April 27, 28	» » 169, 143
	Washington .	1904	Jan. 24, 25. 30, Febr. 1 .	A. J. 24, 132
11 Parthenope .	Düsseldorf . .	»	Juni 6, 7, 20	A. N. 167, 305
	Washington .	»	Juni 12, 13, 14. 18 . .	A. J. 24, 133
13 Egeria . .	Heidelberg . .	»	Nov. 15	A. N. 168, 227
14 Irene . . .	Heidelberg . .	1905	Mai 25*	» » 168, 228
15 Eunomia . .	Heidelberg . .	»	Jan. 14*, 26*	» » 167, 112, 172
	Jena . . .	1903	Aug. 27, 28. 31, Sept. 1, 2	» » 166, 273
			Helligkeitsbeobachtungen .	» » 168, 149
16 Psyche . .	Kasan . . .	»	Mai 4	» » 166, 247
17 Thetis . . .	Algier . . .	1904	Okt. 28, Nov. 3, 7, 9. 10,	
			Nov. 11, 12, 15, 17, 19 .	» » 168, 301,
				B. A. 22, 243
	Düsseldorf . .	»	Okt. 13. 14, 15 . . .	A. N. 167, 305
	Heidelberg[1]) .	»	Okt. 27, 30, Nov. 13. 14 .	» » 168, 103
	Heidelberg . .	»	Okt. 14*. Nov. 6* . . .	» » 166, 223, 272
	Jena . . .	1903	Mai 27, 28, 29 . . .	» » 166, 273
	Kasan . . .	»	Mai 19, 22, 24. 25, 26, 27, 29,	
			Mai 30, Juni 1, 2, 3, 5, 6. 11,	
			Juni 12, 13, 16, 19, 22. 23	» » 166, 247
	Marseille . .	1904	Okt. 27	B. A. 22, 143
	Pola . . .	»	Nov. 3, 4	A. N. 167, 75
	Utrecht . .	1903	Mai 24, 25, 26, 27, 28. 30,	
			Juni 1, 21	» » 166, 217
	Utrecht . .	1904	Okt. 13. 15	» » 169, 73
	Washington .	»	Okt. 27, 28, 30 . . .	A. J. 24, 193
18 Melpomene .	Washington .	»	Juni 11, 12. 17 . . .	» » 24, 133
19 Fortuna . .	Algier . . .	»	März 19, 21, 29, 31, April 5,	
			April 6, 9	A. N. 167, 11,
				B. A. 21, 460
	Düsseldorf . .	1905	Ephemeridenkorrektion . .	A. N. 169, 45
	Heidelberg[1]) .	1904	März 21, April 2. 11 . .	» » 168, 101
	Jena . . .	»	März 14, 20	» » 166, 273
	Marseille . .	»	März 21, 23, 24, April 6,	
			April 7, 8, 11, 12 . . .	B. A. 22, 150
	Nizza . . .	»	März 31, April 2 . . .	» » 22, 190

[1]) Astronomisches Institut.

Nr. und Name	Beobachtungsort	Datum der Beobachtung	Publikation
19 Fortuna . .	Toulouse . .	1904 März 10, 11, 12, April 9 .	B. A. 22, 378
	Washington .	» März 20, 27	A. J. 24, 132
21 Lutetia . .	Washington .	» April 14, 16, 19, 20 . .	» » 24, 132
22 Kalliope . .	Washington .	» April 7, 14, 15, 17 . .	» » 24, 132
23 Thalia . .	Heidelberg . .	1905 April 6*, 13*, Mai 25* .	A. N. 168, 32, 48, 228
24 Themis . .	Algier . . .	1904 Juni 8, 10, 13, 14, 17, 18	» » 167, 359. B. A. 22, 179
	Genf . . .	» Juni 6, 14	A. N. 168, 65
	Kasan . . .	1903 März 16, 18, 19, 21 . .	» » 166, 247
	Toulouse . .	» März 20, 21	B. A. 22, 378
	Utrecht . . .	» März 18, 22, 23, 25 . .	A. N. 166, 215
	Vassar Coll. .	» März 2, 17, 18	A. J. 24, 153
25 Phocaea . .	Heidelberg . .	1905 Mai 10*	A. N. 168, 128
	Pola . . .	» April 27, 28	» » 169, 143
26 Proserpina .	Arcetri . . .	1904 Jan. 15, 18, 22, 23 . .	» » 169, 83
	Düsseldorf . .	1905 Ephemeridenkorrektion . .	» » 168, 79
	Heidelberg . .	» April 6*	» » 168, 32
	Jena . . .	1904 Jan. 11	» » 166, 273
	Toulouse . .	» Jan. 6	B. A. 22, 379
	Washington .	» Jan. 13, 16	A. J. 24, 131
27 Euterpe . .	Heidelberg . .	1905 März 8*, 13*	A. N. 167, 336, 350
	Pola . . .	» März 24	» » 169, 89
28 Bellona . .	Genf . . .	» März 17, 26	» » 168, 225
	Heidelberg[1] .	» März 26, April 1, 3 . .	» » 169, 217
	Pulkowa . .	» Ephemeridenkorrektion . .	» » 167, 319
	Toulouse . .	1903 Nov. 7	B. A. 22, 378
29 Amphitrite .	Kasan . . .	» März 19, 20, 21, 22, 25, 31, April 3, 9, 13, 20 . . .	A. N. 166, 247
	Toulouse . .	» März 21	B. A. 22, 378
	Utrecht . . .	» März 29, April 3, 18 . .	A. N. 166, 215
	Vassar Coll. .	» März 18	A. J. 24, 154
30 Urania . .	Washington .	1904 April 5, 14, 16, 19 . .	» » 24, 132
32 Pomona . .	Washington .	» Nov. 11, 14	» » 24, 193
34 Circe . . .	Heidelberg . .	1905 Aug. 23*, 24*	A. N. 169, 208
37 Fides . . .	Algier . . .	1904 Jan. 30, Febr. 2, 6, 8 . .	» » 167, 9, B. A. 21, 459
	Düsseldorf . .	» Jan. 18, 19, 22	A. N. 167, 305
	Heidelberg . .	1905 Mai 7*, 9*, 25*	» » 168, 109, 127, 228
	Jena . . .	1904 Febr. 7, 10, 12	» » 166, 273
	Kasan . . .	» Jan. 29, Febr. 6	» » 166, 249
	Marseille . .	» Febr. 18, 19	B. A. 22, 150
	Utrecht . . .	» Febr. 13, 15	A. N. 169, 71
	Washington .	» Jan. 17, 19, 24, 30, Febr. 1, Febr. 3, 6	A. J. 24, 131

[1]) Astronomisches Institut.

Nr. und Name	Beobachtungsort	Datum der Beobachtung	Publikation
39 Laetitia	Kasan	1903 Mai 19, 22, 24. 25, 26	A. N. 166, 247
40 Harmonia	Heidelberg [1])	1904 Mai 9, 13, 19	» » 167, 381
	Washington	» Mai 7, 8, 11	A. J. 24, 133
41 Daphne	Heidelberg	» Okt. 13*	A. N. 166, 223
42 Isis	Heidelberg [2])	1905 März 26, April 1, 3	» » 169, 217
	Mailand	» März 8	» » 168, 155
	Pulkowa	» Ephemeridenkorrektion	» » 167, 319
43 Ariadne	Heidelberg	1904 Nov. 16*, Dez. 14*, 27*	» » 166, 302,
			» » 167, 47, 48
46 Hestia	Nizza	» April 1, 2	B. A. 22, 190
	Toulouse	» März 10, 11, 12, 19	» » 22, 379
	Utrecht	» März 15	A. N. 169, 73
	Vassar Coll.	1903 Jan. 6	A. J. 24, 153
	Washington	1904 März 16, April 3	» » 24, 158
47 Aglaja	Washington	» März 9. 13	» » 24, 158
48 Doris	Heidelberg	1905 Mai 7*, Juni 22*	A. N. 168, 110, 355
	Pulkowa	1904 Febr. 25, März 5	M. P. 1, 28
		1905 Ephemeridenkorrektion	A. N. 168, 159
	Vassar Coll.	1902 Nov. 19, 20	A. J. 24, 153
49 Pales	Washington	1904 April 21	» » 24, 159
51 Nemausa	Heidelberg	1905 Jan. 14*, 26*	A. N. 167, 111, 172
53 Kalypso	Utrecht	1903 Dez. 22	» » 166, 217
54 Alexandra	Heidelberg	1905 Jan. 8*	» » 167, 77
56 Melete	Heidelberg	» Jan. 2*	» » 167, 62
57 Mnemosyne	Algier	1904 Okt. 26, 27, 28, Nov. 2, 3,	
		Nov. 4, 7, 8, 9, 10, 11	» » 168, 299.
			B. A. 22, 242
	Arcetri	» Okt. 15, Nov. 5, 9	A. N. 169, 85
	Düsseldorf	» Okt. 3, 10, 28	» » 167, 305
	Genf	» Okt. 15	» » 168, 65
	Heidelberg	» Okt. 9*	» » 166, 176
	Heidelberg [2])	» Okt. 19, 27, 30, Nov. 6	» » 168, 103
	Jena	1903 Juli 30	» » 166, 275
	Marseille	1904 Okt. 5, 6, 7, 8	B. A. 22, 143
	Utrecht	» Okt. 10, 11, 13. 14	A. N. 169, 73
	Vassar Coll.	1902 Mai 12, 13, 14. 15, 16	A. J. 24, 153
	Washington	1904 Okt. 21, 24, 27	» » 24, 193
58 Concordia	Arcetri	» Febr. 20, 21	A. N. 169, 97
	Düsseldorf	» Febr. 7, 23	» » 167, 305
		1905 Ephemeridenkorrektion	» » 168, 291
	Marseille	1904 Febr. 19, 23 [3])	B. A. 22, 150
63 Ausonia	Jena	1903 Sept. 27, 28. 29, 30	A. N. 166, 275
64 Angelina	Toulouse	1901 Mai 17	B. A. 22, 376
65 Cybele	Algier	1903 Dez. 14, 18	A. N. 166, 233,
			B. A. 21, 393
	Paris	1901 Sept. 6, 13	» » 22, 177

[1]) Dr. Mündler. [2]) Astronomisches Institut. [3]) Mit (51) Nemausa bezeichnet.

Nr. und Name	Beobachtungsort	Datum der Beobachtung	Publikation
65 Cybele . .	Washington .	1905 Febr. 4	A. J. 24, 193
68 Leto . . .	Algier . . .	1904 Okt. 7	A. N. 168, 299, B. A. 22, 242
	Arcetri . . .	» Okt. 15, 17	A. N. 169, 85
	Düsseldorf . .	» Sept. 16, 18, Okt. 9 . .	» » 167, 305
	Düsseldorf . .	1905 Jan. 26	» » 167, 335
	Heidelberg . .	» Jan. 23*	» » 167, 171
	Heidelberg [1]) .	1904 Okt. 15, 16, 19 . . .	» » 168, 101
	Marseille . .	» Sept. 16, 17, 27, 28, 29, 30, Okt. 1, 4, 5, 6, 7, 8, 10, Okt. 12, 13, 15, 17, 18 .	B. A. 22, 143
	Utrecht . . .	» Okt. 12, 13, 14, 15 . .	A. N. 169, 73
69 Hesperia . .	Heidelberg . .	1905 Sept. 19*	» » 169, 272
71 Niobe . . .	Düsseldorf . .	» Ephemeridenkorrektion . .	» » 167, 63
	Genf . . .	» Jan. 10, 11, 14	» » 168, 65
	Heidelberg [1]) .	» Jan. 26, Febr. 9	» » 169, 217
	Mailand . .	» Febr. 5, 6, 7	» » 168, 153
73 Klytia . . .	Heidelberg . .	» Jan. 8*, 11*	» » 167, 77, 78
78 Diana . . .	Arcetri . . .	1904 Dez. 28, 29	» » 169, 85
	Düsseldorf . .	» Dez. 17, 27	» » 167, 305
	Genf . . .	1905 Jan. 10, 11, 13, 14 . .	» » 168, 65
	Heidelberg . .	» Jan. 8*	» » 167, 77
	Kasan . . .	1904 Ephemeridenkorrektion . .	» » 167, 63
	Mailand . .	1905 Jan. 0, 1, 2, 4, 8, 12, 14	» » 168, 153
79 Eurynome .	Genf . . .	1904 Juni 2, 6	» » 168, 65
	Heidelberg . .	1905 Sept. 19*	» » 169, 271
	Jena . . .	1903 Febr. 17, 18, 19	» » 166, 275
	Paris . . .	1901 Aug. 7, 8, 12, 13, 16, 18, Aug. 19, 21, 22, 24, Sept. 1, Sept. 2, 6	B. A. 22, 177
	Utrecht . . .	1903 Febr. 17, 18, 19	A. N. 166, 215
	Vassar Coll. .	» Febr. 23, 24, 25	A. J. 24, 153
	Washington .	1904 Mai 15, 21, 23	» » 24, 133
84 Klio . . .	Washington .	» März 16	» » 24, 158
	Wien . . .	1905 Aug. 10	A. N. 169, 151
85 Io	Heidelberg . .	1904 Okt. 9*	» » 166, 176
87 Sylvia . .	Heidelberg . .	1905 Mai 7*	» » 168, 110
88 Thisbe . .	Heidelberg . .	1904 Nov. 16*, Dez. 14*, 27* .	» » 166, 302, 167, 47, 48
	Wien . . .	1905 Jan. 2	» » 167, 61
89 Julia . . .	Heidelberg . .	» Jan. 11*	» » 167, 78
90 Antiope . .	Düsseldorf . .	1904 Mai 11, 18	» » 167, 305
	Toulouse . .	» Mai 13	B. A. 22, 379
	Washington .	» Mai 12	A. J. 24, 159
92 Undina . .	Genf . . .	1905 März 26, April 1	A. N. 168, 225
95 Arethusa . .	Arcetri . . .	1904 Sept. 9, 12, 17, 20 . . .	» » 169, 83

[1]) Astronomisches Institut.

Nr. und Name	Beobachtungsort	Datum der Beobachtung	Publikation
95 Arethusa	Düsseldorf	1904 Aug. 18, Sept. 5, 11	A. N. 167, 307
	Marseille	» Aug. 23, 27, 29, 31, Sept. 1, Sept. 2, 5, 8, 9, 10, 12, 14, Sept. 15, 16, 17	B. A. 22, 144
	Utrecht	» Sept. 13, 15, 16	A. N. 169, 73
105 Artemis	Washington	» Juni 17, 18, 22	A. J. 24, 133
108 Hecuba	Düsseldorf	» Mai 19	A. N. 167, 307
	Jena	1903 Jan. 31	» » 166, 275
	Nizza	1904 Mai 21, 24, 25	B. A. 22, 190
	Rom	1905 Ephemeridenkorrektion	A. N. 169, 143
	Utrecht	1903 Jan. 28, 31	» » 166, 215
	Washington	1904 Mai 7	A. J. 24, 159
111 Ate	Heidelberg	» Okt. 3*	A. N. 166, 175
112 Iphigenia	Düsseldorf	» Sept. 17	» » 167, 307
	Wien	» Aug. 9, 10	» » 168, 81
113 Amalthea	Algier	» März 29, 31, April 5, 6, 7, 8, 9	» » 167, 13
			B. A. 21, 461
	Arcetri	» April 6, 8, 9	A. N. 169, 83
	Düsseldorf	» März 15, 16, 20	» » 167, 307
		1905 Ephemeridenkorrektion	» » 169, 207
	Jena	1904 März 20, 25	» » 166, 275
	Marseille	» März 21, 23, 24, April 6, April 7, 8, 11	B. A. 22, 150
	Toulouse	» März 21, 22, April 9	» » 22, 379
	Utrecht	» April 10, 11	A. N. 169, 73
	Vassar Coll.	1902 Nov. 3, 4, 7	A. J. 24, 153
	Washington	1904 März 13, 15, 16, 20	» » 24, 132
115 Thyra	Arcetri	» Aug. 12, 13, 14, 16, 20	A. N. 169, 101
	Düsseldorf	» Aug. 2, 3	» » 167, 307
	Rom	» Juli 17	» » 167, 7
116 Sirona	Heidelberg	» Nov. 14*	» » 166, 301
117 Lomia	Heidelberg	1905 März 26*	» » 168, 15
120 Lachesis	Heidelberg	» März 13*	» » 167, 349
122 Gerda	Heidelberg	» April 1*, 3*	» » 168, 31
	Nizza	1904 Jan. 26, 28, 29, Febr. 1	B. A. 22, 190
	Rom	1905 März 17	A. N. 169, 67
	Utrecht	1904 Jan. 13, 16, 17	» » 169, 71
123 Brunhild	Heidelberg	1905 Jan. 8*	» » 167, 77
124 Alkeste	Heidelberg	» März 13*, 26*	» » 168, 15, 16
125 Liberatrix	Düsseldorf	1904 Okt. 14	» » 167, 307
	Heidelberg	» Okt. 10*	» » 166, 223
126 Velleda	Heidelberg	1905 April 6*	» » 168, 32
128 Nemesis	Heidelberg	1904 Nov. 16*, Dez. 14*, 27*	» » 166, 302, 167, 47, 48
134 Sophrosyne	Düsseldorf	» März 15, 16, April 11	» » 167, 307
	Utrecht	» April 10	» » 169, 73

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135 Hertha	Arcetri	1904 Febr. 25, 26	A. N. 169, 97
	Heidelberg	1905 Mai 28*, 29*	» » 168, 243. 244
	Marseille	1904 Febr. 24, 25, März 15, März 18	B. A. 22. 150
	Nizza	» Febr. 25, 27	» » 22, 190
	Straßburg	» März 14	A. N. 167, 199
	Toulouse	» Febr. 25	B. A. 22, 379
	Wien	» Febr. 19	A. N. 168, 81
136 Austria	Heidelberg	1905 März 26*	» » 168, 15
139 Juewa	Washington	1904 Febr. 8, 9, 11	A. J. 24, 132
140 Siwa	Heidelberg	1905 Juli 8*	A. N. 169, 31
144 Vibilia	Heidelberg	» Mai 7*, 26*	» » 168, 110, 243
146 Lucina	Heidelberg	» Jan. 8*	» » 167, 77
147 Protogeneia	Pulkowa	1904 Okt. 30	M. P. 1, 12, 28
148 Gallia	Algier	1903 Okt. 12, 13, 14, 15, 23. 24. Nov. 4	A. N. 166, 231, B. A. 21, 392
	Genf	1905 Febr. 6, 8	A. N. 168, 225
149 Medusa = [1905 *PV*]	Heidelberg	1904 Okt. 10*	» » 166, 223
	Heidelberg	1905 Jan. 22*, 23*	» » 167, 111, 143, 171
152 Atala	Heidelberg	» Febr. 26*	» » 167, 288
153 Hilda	Washington	1904 Mai 12	A. J. 24, 159
	Wien	1905 Ephemeridenkorrektion	A. N. 169. 95
154 Bertha	Algier	1904 Dez. 5, 6, 7, 17, 19	» » 168, 301, B. A. 22, 243
	Genf	» Nov. 13, 14	A. N. 168, 65
	Heidelberg	» Dez. 19*, 27*	167, 47, 48
	Toulouse	1901 April 17, 18, 19	B. A. 22, 376
	Utrecht	1904 Dez. 7, 11	A. N. 169, 73
	Washington	» Dez. 1, 4	A. J. 24, 193
156 Xanthippe	Düsseldorf	» Jan. 19	A. N. 167, 307
	Heidelberg	1905 Juli 7*	» » 169, 31
	Rom	1904 Jan. 10	» » 166, 227
		1905 Ephemeridenkorrektion	» » 169, 45
	Washington	1904 Jan. 25, Febr. 4	A. J. 24, 158
157 Dejanira = [1904 *PH*]	Heidelberg	» Nov. 13*	A. N. 166, 301
	Rom	» Nov. 30	» » 169, 65
	Wien	» Nov. 17, Dez. 9, 16, 27, 1905 Jan. 8, 9	» » 168, 93
158 Koronis	Heidelberg	1905 Jan. 1*, 2*	» » 167, 61, 62
	Wien	» Jan. 9, 14	» » 167, 77, 171
163 Erigone	Heidelberg	» April 1*, 3*	» » 168, 31
	Rom	» April 6	» » 169, 67

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163 Erigone . .	Toulouse . .	1901 Febr. 25	B. A. 22, 376
167 Urda			
= [1905 *QY*]	Heidelberg . .	1905 Aug. 23*	A. N. 169, 208
	Wien . . .	» Aug. 31, Sept. 5 . . .	» » 169, 223, 239
170 Maria . . .	Washington .	1904 Nov. 1, 6	A. J. 24, 193
171 Ophelia . .	Heidelberg . .	1905 Jan. 11*	A. N. 167, 78
172 Baucis . .	Arcetri . . .	1904 Aug. 23, 26, 27, 29, Sept. 1,	
		Sept. 6, 16, 17, 19 . .	» » 169, 101
	Marseille . .	» Aug. 10, 11, 12, 13, 16, 18,	
		Aug. 19, 22, 23, 27, 31,	
		Sept. 1, 3, 5, 8, 9, 10, 12,	
		Sept. 14, 15, 16, 17, 23,	
		Sept. 26, 27, 28, 29, 30,	
		Okt. 1, 3, 4, 5, 6, 7, 8, 10,	
		Okt. 13, 15, 17, 25 . .	B. A. 22, 144
175 Andromache .	Heidelberg . .	1905 Mai 29*	A. N. 168, 244
	Nizza . . .	1904 März 24, April 2 . . .	B. A. 22, 190
176 Idunna . .	Heidelberg [1]) .	» Juni 4, 5, 6	A. N. 168, 101
	Heidelberg . .	1905 Juli 26*, 27*, Aug. 21* .	» » 169, 95, 207
178 Belisana			
= [1904 *PE*]	Düsseldorf . .	1904 Nov. 15	» » 167, 307
	Heidelberg . .	» Okt. 16*	» » 166, 224
	Toulouse . .	» Nov. 14, 15	B. A. 22, 379
	Wien . . .	» Nov. 8	A. N. 168, 81
182 Elsa . . .	Washington .	» Jan. 13, 14, 15, 17 . .	A. J. 24, 131
185 Eunike . .	Heidelberg . .	1905 März 13*	A. N. 167, 349
192 Nausikaa . .	Jena . . .	1903 Sept. 1, 2, 3, 5, 6 . .	» » 166, 275
	Pola . . .	1905 März 6	» » 169, 89
196 Philomela . .	Heidelberg . .	1904 Nov. 15	» » 167, 187
	Pulkowa . .	» Nov. 18, Dez. 8 . . .	M. P. I, 12, 28
198 Ampella . .	Algier . . .	1903 Nov. 20, 27, Dez. 9, 10, 11,	
		Dez. 12, 14, 15, 18 . .	A. N. 166, 233,
			B. A. 21, 393
	Utrecht . . .	» Dez. 22	A. N. 166, 217
200 Dynamene .	Düsseldorf . .	1904 Febr. 23	» » 167, 307
	Marseille . .	» Febr. 20, 22, 23, 24, 25,	
		März 10, 11, 12, 15, 16,	
		März 18	B. A. 22, 151
202 Chryseïs . .	Washington .	» Mai 4, 11, 13, 15 . . .	A. J. 24, 133
204 Kallisto . .	Heidelberg [2]) .	» Mai 16, 19	A. N. 167, 381
208 Lacrimosa .	Heidelberg . .	» Nov. 15*	» » 166, 302
	Washington .	» Dez. 1	A. J. 24, 193
211 Isolda . . .	Heidelberg . .	1905 Sept. 19*	A. N. 169, 271
212 Medea . .	Heidelberg . .	» Sept. 19*	» » 169, 271
213 Lilaea . .	Düsseldorf . .	1904 Juli 16, 18, 19	» » 167, 307
214 Aschera . .	Heidelberg . .	1905 Jan. 26*, Febr. 9* . . .	» » 167, 172, 208

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216 Kleopatra			
= [1905 *QR*]	Bordeaux . .	1905 Juli 29, 30[1]	C. R. 141, 341
	Düsseldorf . .	» Juli 30, 31	A. N. 169, 111
	Heidelberg[2] .	1904 Mai 19	» » 167, 381
	Heidelberg . .	1905 Juli 27*	» » 169, 79, 96
	Rom . . .	» Juli 29, 30, Aug. 1 . .	» » 169, 111
	Wien . . .	» Aug. 1	» » 169, 109
217 Eudora . .	Heidelberg[3] .	1904 Juli 6, 9, 10, 11 . . .	» » 168, 101
	Rom . . .	» Juni 18	» » 166, 229
	Wien . . .	» Juli 7	» » 168, 81
219 Thusnelda .	Heidelberg . .	1905 Juli 25*	» » 169, 95
222 Lucia . . .	Heidelberg . .	» Mai 26*	» » 168, 243
226 Weringia . .	Arcetri . . .	1904 Juni 3, 4, 6, 7, 14, 15, 16,	
		Juni 17, 18, 19 . . .	» » 169, 99
	Rom . . .	» Juni 10, 17	» » 166, 229
	Wien . . .	» Juni 6, 8	» » 168, 81
232 Russia . .	Wien . . .	» Juni 16, 17	» » 168, 81
236 Honoria . .	Düsseldorf . .	» Aug. 4, 8, 9, 16, 18, Sept. 4,	
		Sept. 5	» » 167, 307
	Wien . . .	» Aug. 5, 6, 12, 16, 19, 29 .	» » 168, 81
241 Germania . .	Düsseldorf . .	» Mai 11, 16	» » 167, 307
	Heidelberg . .	1905 Juli 30*	» » 169, 111
	Nizza . . .	1904 Mai 24, 25, 27	B. A. 22, 190
	Washington .	» Mai 7, 12	A. J. 24, 159
243 Ida . . .	Heidelberg . .	1905 Jan. 8*	A. N. 167, 77
247 Eukrate . .	Algier . . .	1904 Mai 5, 9, 18	» » 166, 233,
			B. A. 21, 393
	Jena . . .	1903 Febr. 26	A. N. 166, 275
	Paris . . .	1901 Sept. 13	B. A. 22, 177
	Utrecht . .	1903 März 6, 18, 22, 25, 27 .	A. N. 166, 215
248 Lameia . .	Heidelberg . .	1905 Aug. 3*	» » 169, 143
	Wien . . .	» Ephemeridenkorrektion . .	» » 169, 143
250 Bettina . .	Wien . . .	» April 8, 9	» » 168, 43
		» Helligkeitsschätzungen . .	» » 168, 43, 111, 195
251 Sophia . .	Wien . . .	1904 März 20	» » 168, 81
255 Oppavia . .	Wien . . .	» März 18, 24	» » 168, 81
258 Tyche . .	Algier . . .	» Sept. 29, 30, Okt. 5, 6, 7,	
		Okt. 13	» » 168, 299,
			B. A. 22, 242
	Arcetri . . .	» Sept. 17, 21	A. N. 169, 85
	Düsseldorf . .	» Sept. 7, 11, 15, 17 . .	» » 167, 309
	Marseille . .	» Sept. 9, 10, 12, 14, 15, 16,	
		» Sept. 17, 30, Okt. 1 . .	B. A. 22, 145
	Straſsburg . .	» Sept. 17	A. N. 167, 199
	Utrecht . .	» Sept. 13, 15, 16, 17 . .	» » 169, 73

[1]) Mit *YR* bezeichnet. [2]) Dr. Mündler. [3]) Astronomisches Institut.

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263 Dresda			
= [1905 *QV*]	Heidelberg . .	1905 Juli 30*, Aug. 21* . .	A. N. 169, 111, 207
	Wien . . .	» Aug. 3, 4, 8, 10, 21, 30, Sept. 5	» » 169, 111, 143, 151, 223, 271
270 Anahita . .	Genf . . .	» Jan. 27, 29, Febr. 3, 4 .	» » 168, 223
	Heidelberg[1]) .	» Jan. 26, Febr. 9 . . .	» » 169, 215
	Heidelberg . .	» Jan. 8*, 23*	» » 167, 77, 172
	Jena . . .	1903 Aug. 16	» » 166, 275
	Kasan . . .	» Juli 28, 31	» » 166, 249
	Washington .	1905 Jan. 30, Febr. 4, 7 . .	A. J. 24, 193
271 Penthesilea .	Rom . . .	1903 Nov. 9, 12	A. N. 166, 227
274 Philagoria .	Rom . . .	1905 Ephemeridenkorrektion . .	» » 169, 143
	Wien . . .	1904 April 12	» » 168, 81
276 Adelheid . .	Heidelberg . .	1905 Mai 9*	» » 168, 127
	Wien . . .	» Mai 10	» » 168, 139
277 Elvira . . .	Wien . . .	1904 Aug. 12, 13	» » 168, 81
282 Clorinde . .	Rom . . .	» Mai 18	» » 166, 229
286 Iclea . . .	Wien . . .	1905 Ephemeridenkorrektion . .	» » 168, 243
288 Glauke . .	Arcetri . . .	1904 April 6, 8, 9	» » 169, 83
	Düsseldorf . .	» März 15, April 3, 4, 11, 19	» » 167, 309
	Jena . . .	» April 11	» » 166, 275
	Marseille . .	» April 6, 7, 12, 16, 22 .	B. A. 22, 151
	Nizza	» April 22, 28, 29	» » 22, 191
289 Nenetta . .	Rom . . .	1903 Dez. 20, 21	A. N. 166, 227
300 Geraldina . .	Heidelberg . .	1905 März 13*, 26*	» » 168, 16, 31
	Wien . . .	» März 29, April 1	» » 168, 31
		» Helligkeit	» » 168, 15
303 Josephina .	Heidelberg . .	» Sept. 19*	» » 169, 271
	Rom . . .	1904 Aug. 3	» » 169, 65
305 Gordonia . .	Heidelberg . .	1905 Sept. 19*	» » 169, 272
308 Polyxo . .	Heidelberg . .	» April 6*	» » 168, 32
311 Claudia			
= [1905 *QE*]	Heidelberg . .	» März 13*, 26*	» » 167, 350, 168, 16
	Wien . . .	» März 29, 30, April 1, 8 .	» » 168, 31, 43
		» Ephemeridenkorrektion . .	» » 168, 63
313 Chaldaea . .	Algier . . .	1904 Febr. 6, 8, 11, 12, 13, 15, Febr. 24	» » 167, 11, B. A. 21, 459
	Arcetri . . .	» Febr. 12, 20, 21, 25 . .	A. N. 169, 83
	Jena . . .	» Febr. 7, 13	» » 166, 275
	Kasan . . .	» Jan. 29	» » 166, 249
	Utrecht . .	» Febr. 13, 15, 23 . . .	» » 169, 71
	Washington .	» Jan. 24, 25, 30, Febr. 3 .	A. J. 24, 131
317 Roxane . .	Arcetri . . .	» April 16	A. N. 169, 99

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317 Roxane . .	Heidelberg . .	1905 Sept. 4*, 5*	A. N. 169, 224, 271
	Rom . . .	1904 März 14, April 15 . . .	» » 166, 229
	Washington .	» April 16, 18, 20 . . .	A. J. 24, 158
319 Leona . . .	Heidelberg . .	» Nov. 13*	A. N. 166, 301
	Wien . . .	» Nov. 17, Dez. 9 . . .	» » 168, 81
322 Phaeo . . .	Wien . . .	» Juni 15	» » 168, 83
324 Bamberga .	Heidelberg . .	1905 Febr. 9*, März 13* . .	» » 167, 208, 349
	Jena . . .	1903 Juli 23, Aug. 13 . . .	» » 166, 275
	Kasan . . .	» Aug. 21, 24, 27, 29, 30, Sept. 1, 10, 15, 23 . .	» » 166, 245
	Kasan . . .	» Juli 28, 31, Aug. 4, 13, 21, Aug. 24, 30, Sept. 2 . .	» » 166, 249
	Utrecht . .	» Sept. 23, 26, 28 . . .	» » 166, 217
	Vassar Coll. .	» Okt. 3	A. J. 24, 154
326 Tamara . .	Heidelberg . .	1904 Nov. 14*	A. N. 166, 301
329 Svea . . .	Heidelberg . .	1905 Sept. 19*	» » 169, 272
334 Chicago . .	Rom . . .	» April 24	» » 169, 67
	Washington .	1904 März 9, 13	A. J. 24, 158
335 Roberta . .	Arcetri . . .	» Nov. 11, 13, 14, 15 . .	A. N. 169, 103
	Heidelberg[1] .	» Nov. 13, 15, 16, 17 . .	» » 168, 103
	Heidelberg . .	» Okt. 14*, Nov. 6* . . .	» » 166, 223, 272
	Jena . . .	1903 Mai 21, 22, 24	» » 166, 275
	Rom . . .	1904 Nov. 13	» » 169, 65
	Washington .	» Nov. 15, 21	A. J. 24, 193
337 Devosa . .	Heidelberg . .	1905 März 8*, 13*	A. N. 167, 336, 350
	Jena . . .	1903 Sept. 29, 30	» » 166, 275
338 Budrosa . .	Nizza . . .	1904 Jan. 26, 28	B. A. 22, 191
342 Endymion .	Heidelberg . .	» Okt. 3*	A. N. 166, 175
345 Tercidina . .	Arcetri . . .	» Jan. 15, 18, 22, 23, 25 .	» » 169, 83
		1905 Ephemeridenkorrektion . .	» » 168, 291
	Heidelberg . .	» Mai 9*, 10*, 23*, Juni 21*, Juni 22*	» » 168, 127, 128, 227, 355
	Toulouse . .	1901 April 17, 18, 19, 20 . .	B. A. 22, 377
	Washington .	1904 Jan. 5, 13, 16, 19 . . .	A. J. 24, 131
347 Pariana . .	Rom . . .	» Okt. 16	A. N. 169, 65
348 May . . .	Heidelberg . .	1905 Mai 7*, 9*	» » 168, 110, 127
	Wien . . .	» Mai 10	» » 168, 139
349 Dembowska .	Arcetri . . .	1904 April 5, 6, 8, 9, 14, 15, 16	» » 169, 97
	Düsseldorf . .	» März 16, 20	» » 167, 309
	Washington .	» März 20, 27, 28 . . .	A. J. 24, 132
350 Ornamenta .	Heidelberg . .	1905 April 3*	A. N. 168, 31
351 Yrsa . . .	Wien . . .	1904 Juli 10	» » 168, 83
352 Gisela . . .	Wien . . .	» Juni 15	» » 168, 83
355 Gabriella . .	Heidelberg . .	1905 Jan. 8*	» » 167, 77
	Wien . . .	» Jan. 11	» » 167, 77

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356 Liguria . .	Heidelberg . .	1905 Sept. 4*	A. N. 169, 224
358 Apollonia .	Heidelberg . .	» Juli 30*, Aug. 21* . . .	» » 169, 112, 207
	Rom . . .	» Ephemeridenkorrektion . .	» » 169, 143
359 Georgia . .	Wien . . .	1904 Nov. 10, 13	» » 168, 83
360 Carlova . .	Heidelberg . .	» März 20, Juni 3	» » 166, 347
	Heidelberg . .	1905 Juni 28*	» » 168, 355
	Nizza . . .	1904 Mai 2	B. A. 22, 191
	Wien . . .	» April 16	A. N. 168, 83
362 Havnia . .	Genf . . .	1905 Febr. 8, 10, 12	» » 168, 225
364 Isara . . .	Arcetri . . .	1904 Aug. 5, 6, 8	» » 169, 101
	Wien . . .	» Juli 11	» » 168, 83
366 Vincentina .	Nizza . . .	» März 22, 24	B. A. 22, 191
	Rom . . .	» März 12, 14	A. N. 166, 229
	Wien . . .	» März 14	» » 168, 83
369 Aëria . . .	Rom . . .	1903 Dez. 12	» » 166, 227
		» Helligkeit	» » 168, 43
		1905 Ephemeridenkorrektion . .	» » 168, 43
370 Modestia . .	Nizza . . .	1904 Okt. 19, 24	B. A. 24, 191
	Heidelberg . .	» Okt. 3*	A. N. 166, 175
371 Bohemia . .	Heidelberg . .	1905 Jan. 14*	» » 167, 112
372 Palma . .	Arcetri . . .	1904 Aug. 12, 13, 14, 16, 20 .	» » 169, 101
	Marseille . .	» Aug. 11, 12, 13, 16, 18, 19, Aug. 22, 29, 31, Sept. 1, 2, Sept. 5, 8, 9, 10, 12, 14 .	B. A. 22, 146
	Rom . . .	» Aug. 23	A. N. 169, 65
	Wien . . .	» Aug. 13, 20	» » 168, 83
374 Burgundia .	Rom . . .	1903 Dez. 7	» » 166, 227
	Rom . . .	1905 Febr. 7	» » 169, 67
	Washington .	» Febr. 24	A. J. 24, 193
375 Ursula . .	Arcetri . . .	1904 Okt. 14, 15, 17	A. N. 169, 101
	Düsseldorf . .	» Sept. 16	» » 167, 309
	Heidelberg[1] .	» Okt. 13, 14, 15, 16 . .	» » 168, 101
377 Campania . .	Heidelberg . .	1905 Mai 10*, Juni 22* . . .	» » 168, 128, 355
378 Holmia . .	Nizza . . .	1904 Febr. 22, 23, 25 . . .	B. A. 22, 191
380 Fiducia . .	Heidelberg . .	1905 Sept. 4*	A. N. 169, 223
382 Dodona . .	Heidelberg . .	» Jan. 8*, 11*, 26*, Febr. 9*	» » 167, 78, 172, 207
	Rom . . .	» Febr. 6	» » 169, 67
383 Janina . .	Heidelberg . .	» Jan. 8*, 11*	» » 167, 78
	Wien . . .	» Ephemeridenkorrektion . .	» » 167, 239
385 Ilmatar . .	Arcetri . . .	1904 April 9, 14, 16, Mai 5, 9, 13	» » 169, 99
	Rom . . .	» Mai 6	» » 166, 229
386 Siegena . .	Arcetri . . .	» März 21	» » 169, 97
	Heidelberg . .	1905 Juni 1*	» » 168, 244
	Jena . . .	1902 Dez. 23, 24	» » 166, 275
	Marseille . .	1904 März 15, 19, 21, 22, 23, 24	B. A. 22, 151

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386 Siegena	Nizza	1904 März 21, 22, 28	B. A. 22, 191
	Paris	1901 Juli 17, Aug. 7, 8, 12, 13, Aug. 18, 19, 20, 22, 23, 24, Aug. 26, Sept. 1, 2, 3, 6, 13	» » 22, 177
	Toulouse	1904 März 19, 21, 22	» » 22, 379
	Vassar Coll.	1903 Jan. 8	A. J. 24, 153
	Washington	1904 Febr. 24, März 8, 13	» » 24, 158
	Wien	» März 14	A. N. 168, 83
387 Aquitania	Marseille	» Juni 13, 14, 16, 18	B. A. 22, 289
	Washington	» Juni 3, 8, 11, 12	A. J. 24, 133
388 Charybdis	Arcetri	» Febr. 20, 21	A. N. 169, 97
	Nizza	» Jan. 28, Febr. 20, 22	B. A. 22, 191
	Rom	» Jan. 24	A. N. 166, 227
	Washington	» Febr. 11, 15, 17	A. J. 24, 158
	Wien	» Febr. 19	A. N. 168, 83
389 Industria	Arcetri	» Sept. 9, 10, 20	» » 169, 101
	Wien	» Aug. 14, 20	» » 168, 83
391 Ingeborg	Rom	» Mai 17	» » 166, 229
393 Lampetia	Algier	1903 Okt. 5, 6, 8, 12, 13, 15, 19, Okt. 20, 23, 24	» » 166, 231, B. A. 21, 392
	Jena	» Okt. 20, 21	A. N. 166, 277
401 Ottilia	Heidelberg	1904 Okt. 9*	» » 166, 176
	Nizza	» Okt. 15, 17, 19	B. A. 22, 192
402 Chloë	Wien	» Juli 8, 10	A. N. 168, 83
403 Cyane	Nizza	» April 30, Mai 2	B. A. 22, 192
	Rom	1905 Ephemeridenkorrektion	A. N. 168, 371
	Washington	1904 April 16, 19, 21	A. J. 24, 158
	Wien	» April 12, 13	A. N. 168, 83
405 Thia	Rom	» Sept. 16	» » 169, 65
406 [1895 *CB*] = [1905 *QU*]	Wien	1905 Juli 30, Aug. 1, 3, 5, 8, 10, Aug. 21, 22, 31, Sept. 5, 18	» » 169, 111, 143, 151, 223, 271
409 Aspasia	Düsseldorf	1904 Jan. 17, 19	» » 167, 309
	Wien	» Jan. 18	» » 168, 83
415 Palatia	Washington	» Dez. 30*	» » 167, 79
416 Vaticana	Rom	1905 April 1, 2	» » 169, 67
417 Suevia	Heidelberg	» März 26*	» » 168, 15
	Rom	1903 Nov. 23, 26	» » 166, 227
	Wien	1905 April 6, 10	» » 168, 43
419 Aurelia	Algier	1904 Juli 1, 2, 4, 5, 7, 8, 9, 12	» » 167, 361, B. A. 22, 180
	Düsseldorf	» Juli 6, 7, 8	A. N. 167, 309
	Genf	» Juni 16, 21, 22	» » 168, 65

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419 Aurelia . .	Heidelberg[1]) .	1904 Juni 16	A. N. 167, 381
	Mailand . .	» Juli 9	» » 168, 153
	Rom . . .	» Juni 16	» » 166, 347
	Wien . . .	» Juni 13	» » 168, 83
421 Zähringia . .	Rom . . .	» Sept. 1	» » 169, 65
	Wien . . .	» Aug. 9, 10	» » 168, 83
423 Diotima . .	Arcetri . . .	» April 5, 6	» » 169, 97
	Marseille . .	» März 15, 19, 21, 23, 24 .	B. A. 22, 151
	Nizza . . .	» März 21, 22, 24 . . .	» » 22, 192
	Rom . . .	» März 12	A. N. 166, 229
	Rom . . .	1905 Ephemeridenkorrektion . .	» » 168, 353
	Vassar Coll. .	1903 Jan. 23	A. J. 24, 153
	Washington .	1904 März 15	» » 24, 158
427 [1897 *DJ*] = [1905 *QC*]	Heidelberg . .	1905 Jan. 14*, 26*, Febr. 9* .	A. N. 167, 223, 207, 208
432 Pythia . .	Rom . . .	1904 Nov. 7	» » 169, 65
	Washington .	» Nov. 16	A. J. 24, 193
433 Eros . . .	Arequipa . .	1905 April 11*, 12*, 14* . .	A. N. 168, 307
	Rom . . .	» Juni 12	» » 168, 339
435 Ella . . .	Nizza . . .	1904 Febr. 25	B. A. 22, 192
	Rom . . .	» Febr. 19, 22	A. N. 166, 229
	Wien . . .	1905 Ephemeridenkorrektion . .	» » 168, 243
436 Patricia . .	Heidelberg . .	1904 Sept. 17	» » 168, 227
442 Eichsfeldia .	Arcetri . . .	» Sept. 9, 10, 16, Okt. 5, 13	» » 169, 83
	Düsseldorf . .	» Sept. 17	» » 167, 309
	Nizza . . .	» Okt. 15, 17, 18 . . .	B. A. 22, 192
444 Gyptis . .	Heidelberg . .	1905 Sept. 18*, 22*	A. N. 169, 271, 272
	Marseille . .	1904 April 7, 16, 22, 23 . .	B. A. 22, 151
	Marseille . .	» Mai 4, 5, 7, 9, 10, 11, 13, Mai 14, 16, Juni 1, 2, 6	» » 22, 289
	Nizza . . .	» Mai 21, 24, 25	» » 22, 192
	Paris . . .	1905 Ephemeridenkorrektion . .	A. N. 169, 207
	Toulouse . .	1904 Mai 13, 14	B. A. 22, 379
446 Aeternitas .	Heidelberg . .	» Nov. 13*, 15*	A. N. 166, 301
447 Valentine .	Arcetri . . .	» Okt. 5, 13, 15	» » 169, 101
	Heidelberg[2]) .	» Okt. 13, 14, 15, 16 . .	» » 168, 101
	Nizza . . .	» Okt. 24	B. A. 22, 192
	Rom . . .	» Sept. 12	A. N. 169, 65
451 Patientia . .	Washington .	» Nov. 6, 11, 14	A. J. 24, 193
454 Mathesis . .	Arcetri . . .	» März 14, 15	A. N. 169, 97
	Marseille . .	» Febr. 18, 19, 22, 23, 25, März 11, 15, 18, 19, 21, März 22, 23, 24 . . .	B. A. 22, 152
	Rom . . .	» Febr. 23	A. N. 166, 229
	Rom . . .	1905 Ephemeridenkorrektion . .	» » 168, 387

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454 Mathesis	Toulouse	1904 März 11. 12, 15	B. A. 22, 379
	Utrecht	» März 16	A. N. 169, 73
	Washington	» Febr. 17, 20, 22	A. J. 24, 158
455 Bruchsalia	Washington	» April 21, Mai 4, 12	» » 24, 159
456 Albnoba	Heidelberg	1905 Juli 25*	A. N. 169, 95
	Rom	» Ephemeridenkorrektion	» » 169, 95
458 Hercynia	Wien	1904 Juni 16, 17	» » 168, 83
460 Scania	Wien	» Aug. 9, 10	» » 168, 85
462 Eriphyla	—	Die Beobachtungen 1902 (A. N. 158, 281) gehören zu (537) [1904 *OG*]	» » 168, 301
470 Kilia	Heidelberg	1905 Mai 26*	» » 168, 243
	Nizza	1904 Jan. 21, 22, 26	B. A. 22, 192
	Rom	1905 Juni 3	A. N. 168, 321
471 [1901 *GN*]	Düsseldorf	» Ephemeridenkorrektion	» » 168, 111
	Heidelberg	» April 3*	» » 168, 32
	Wien	» April 8, 9	» » 168, 43
475 Ocllo	Arequipa	» Juni 6, 7, 9, 20*, 21*	» » 169, 141, 239
476 Hedwig	Algier	1904 März 21, 22, April 7, 8, 16	» » 167, 11, B. A. 21, 460
	Arcetri	» April 9, 12, 14, 16	A. N. 169 97
	Düsseldorf	» April 15	» » 167, 309
	Rom	» Febr. 22	» » 166, 229
478 Tergeste	Arcetri	» Mai 5, 6, 9	» » 169, 99
	Düsseldorf	» Apirl 20	» » 167, 309
	Heidelberg	1905 Juni 28*	» » 168, 355
	Jena	1903 Jan. 18, 19, 20	» » 166, 277
	Nizza	1904 April 29, 30	B. A. 22, 192
	Rom	1905 Ephemeridenkorrektion	A. N. 168, 353
	Utrecht	1903 Jan. 21, 23, 31, Febr. 26	» » 166, 215
	Vassar Coll.	» Jan. 28	A. J. 24, 153
	Washington	1904 April 16, 21, Mai 4	» » 24, 159
	Wien	» April 13	A. N. 168, 85
482 Petrina	Arcetri	» Okt. 13, 15	» » 169, 101
	Heidelberg	» Okt. 10*	» » 166, 223
483 Seppina	Arcetri	» Aug. 4, 5, 6, 8	» » 169, 99
	Wien	» Juli 13, 14	» » 168, 85
484 Pittsburghia	Heidelberg	1905 Jan. 2*	» » 167, 62
485 Genua = [1904 *OW*]	Düsseldorf	1904 Okt. 3, 10, 15, 29, 30	» » 167, 311
	Heidelberg	» Okt. 1*, 10*	» » 166, 175. 223
	Marseille	» Sept. 28, 29, 30, Okt. 1, 3, Okt. 4, 5, 6, 7, 8, 10, 12, Okt. 13, 15	B. A. 22, 146
	Rom	» Okt. 5	A. N. 166, 221
	Rom	» Okt. 8, 30, Nov. 3, 7, 13	» » 169, 65

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485 Genua			
= [1904 *OW*]	Wien . . .	1904 Okt. 29, 30, Nov. 13, 14, 26.	
		Dez. 27	A. N. 168, 93
487 Venetia . .	Arcetri . . .	1905 März 6, 7, 13	» » 168, 337
	Rom . . .	1903 Dez. 21, 22	» » 166, 227
	Rom . . .	1905 Febr. 28, März 4 . . .	» » 169, 67
488 Kreusa . .	Arcetri . . .	1904 Okt. 13	» » 169, 103
	Heidelberg . .	» Okt. 9*	» » 166, 176
494 [1902 *JV*] .	Heidelberg . .	1905 März 13*, 26*	» » 168, 15, 16
	Wien . . .	» März 30, April 9 . . .	» » 168, 31, 43
498 Tokio . . .	Heidelberg . .	1904 März 14	» » 167, 187
	Heidelberg . .	1905 April 3*, 6*	» » 168, 32
	Wien . . .	1904 April 11, 12	» » 168, 85
500 [1903 *LA*] .	Heidelberg . .	1905 Juli 8*	» » 169, 31
	Rom . . .	» Ephemeridenkorrektion . .	» » 169, 45
502 [1903 *LC*] .	Rom . . .	1904 Juli 2, 4, 5, 7	» » 167, 7
	Wien . . .	» Juli 7, 8	» » 168, 85
503 Evelyn . .	Rom . . .	» Mai 22	» » 166, 229
504 Cora . . .	Heidelberg . .	1903 Dez. 28	» » 168, 227
505 Cava . . .	Düsseldorf . .	1904 Jan. 22, Febr. 7, 15 . .	» » 167, 309
	Heidelberg . .	1905 April 3*	» » 168, 31
	Rom . . .	» April 9	» » 169, 67
	Wien . . .	1904 Febr. 10, 12, 19, März 20,	
		April 11	» » 168, 85
	Wien . . .	1905 April 8, 9	» » 168, 43
510 Mabella . .	Heidelberg[1] .	1904 Nov. 15, 16	» » 168, 103
	Heidelberg . .	» Okt. 16*	» » 166, 224
	Wien . . .	» Nov. 5, 13	» » 168, 85
511 Davida . .	Arcetri . . .	» Juli 16, 17, 18, 19, 20, 23,	
		Aug. 4, 6, 8, 9	» » 169, 99
	Düsseldorf . .	» Juli 8, 9, 10, 11, 15 . .	» » 167, 309
	Rom . . .	» Juli 15, 22	» » 167, 7
514 [1903 *MB*] .	Heidelberg . .	» Nov. 15*, 16*, Dez. 14*, 27*	» » 166, 302, 167, 47, 48
	Wien . . .	» Dez. 30, 33	» » 168, 85
516 Amherstia .	Arcetri . . .	1905 Jan. 0, 3, 4, 7	» » 167, 169
	Heidelberg . .	1904 Dez. 19*, 27*	» » 167, 48
	Rom . . .	1905 Jan. 0, 2	» » 169, 67
517 [1903 *MH*]			
= [1905 *PX*]	Heidelberg . .	» Jan. 26*, Febr. 9*, 25* .	» » 167, 172, 207, 335
	Wien . . .	» Febr. 9, 14	» » 167, 317
520 Franziska . .	Heidelberg . .	» Febr. 26*	» » 167, 288
521 Brixia . . .	Düsseldorf . .	1904 Jan. 24, Febr. 4, 7, 18 .	» » 167, 309
	Heidelberg . .	1905 März 8*, April 1* . . .	» » 167, 336, 168, 31

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521 Brixia . . .	Rom . . .	1904 Jan. 25, 27. März 14, April 2	A. N. 166, 229
	Rom . . .	1905 März 25	» » 169, 67
	Wien . . .	1904 Febr. 10, 12, 19, März 20, April 11	» » 168, 85
	Wien . . .	1905 März 11. 30	» » 167, 351, 168, 31
522 [1904 *NC*] .	Wien . . .	1904 Febr. 12, 16, 22 . . .	» » 168, 85
523 [1904 *ND*] .	Heidelberg . .	» März 14	» » 167, 187
	Wien . . .	» Febr. 11, 12, 16, 21. April 14	» » 168, 85
524 [1904 *NN*] .	Wien . . .	» März 18, 20, 24, April 8, 10, April 14, 19, Mai 2 . .	» » 168, 85
525 [1904 *NO*] .	Wien . . .	» März 18, 20, 24, April 3, 10, April 12, 16, 18 . . .	» » 168, 87
526 [1904 *NQ*] .	Wien . . .	» März 18, 20, 24. April 10, April 12, 17, Mai 16, 20	» » 168, 87
527 [1904 *NR*] .	Heidelberg . .	» März 20, Juni 3, April 11	» » 166, 347, 167, 187
	Wien . . .	» April 16, 18	» » 168, 87
528 [1904 *NS*] .	Wien . . .	» März 24, April 3, 11, 13, April 17, 21, Mai 13, 20	» » 168, 87
529 [1904 *NT*] .	Wien . . .	» März 24, April 10, 11, 13, » April 18. Mai 8 . . .	» » 168, 87
530 [1904 *NV*] .	Wien . . .	» April 16, 18, Mai 12, 13, 20, Juni 2	» » 168, 87
531 [1904 *NW*] .	Heidelberg . .	» April 12, 15, Mai 5 . .	» » 167, 187
	Wien . . .	» April 14, 16, 18 . . .	» » 168, 89
532 Herkulina .	Algier . . .	» April 22	» » 167, 13, B. A. 21, 462
	Arcetri . . .	» April 28, 29, 30, Mai 1, 2, Mai 3, 5, 6, 9, 13, 14, 16, Mai 18, 19, 20, 21, 24, 25, Mai 28, 30, Juni 1, 2, 4, Juni 6, 7, 12, 14, 15, 16, Juni 17, 18, 19, 29, Juli 1, Juli 3, 4, 6, 7, 8, 9, 10, Juli 16, 17, 19, 20, 21, 23, Juli 24, 26, 27, 28, 29, 30, Juli 31, Aug. 1, 2 . . .	A. N. 167, 17
	Düsseldorf . .	» April 23, 25, Mai 6, 7, 16, Mai 17, 19, 20, Juni 3, 4, Juni 5, 7, 12, 13, 20, 30, Juli 4, 10, 16	» » 167, 311
	Heidelberg . .	» April 28	» » 166, 347
	Kasan . . .	» April 23, 24, 25, 26, 27, 28, Mai 2, 3, 4, 6, 8, 9, 10, 16, Juni 3, 4, 7, 9, 10, 13, 15	» » 166, 297

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532 Herculina .	Marseille . .	1904	Mai 2, 3, 4, 5, 7, 9, 10, Mai 11, 13, 14, 16, 18, 20	B. A. 21, 395
	Marseille . .	»	April 23, 24, 25, 26, 27, April 28, 29, 30 . . .	» » 22, 152
	Marseille . .	»	Juni 1, 2, 6, 7, 8, 10, 13, Juni 14, 16, 18, 21, 25 .	» » 22, 289
	Rom . . .	»	Mai 25, Juni 6, 15, 23, Juli 6	A. N. 166, 229
	Rom . . .	»	Juli 14, 22, 24, Aug. 11	» » 167, 7
	Rom . . .	»	Juni 12, 15, 18, 21, 23, 27	» » 166, 347
	Rom . . .	1905	Juli 1, 10	» » 169, 31
	Washington .	1904	Mai 19, 20, 22, 23, 25, 27, Mai 28, 29, Juni 3, 8, 11, Juni 12, 15, 18 . . .	A. J. 24, 133
	Washington .	1905	Ephemeridenkorrektion . .	A. N. 169, 31
	Wien . . .	1904	Mai 2, Juli 7, 20 . . .	» » 168, 89
533 [1904 *NZ*] .	Wien . . .	»	Mai 16, 20, Juni 3 . .	» » 168, 89
534 [1904 *OA*] .	Wien . . .	»	Mai 20	» » 168, 89
535 [1904 *OC*] .	Wien . . .	»	Mai 14, Juni 8, 13 . .	» » 168, 89
536 [1904 *OF*] .	Wien . . .	»	Juli 14, 15, 17 . . .	» » 168, 89
537 [1904 *OG*] .	Heidelberg . .	1902	Febr. 24*, März 2*. A. N. 158 fälschlich mit (462) Eriphyla bezeichnet	» » 168, 301
	Wien . . .	1904	Juli 19, 20, Aug. 2, 3, 10, Aug. 14, 16, 19 . . .	» » 168, 89
538 [1904 *OK*] .	Heidelberg . .	»	Juli 19	» » 167, 187
	Wien . . .	»	Aug. 5, 6, 12, 16, 19, 29	» » 168, 89
539 [1904 *OL*] .	Düsseldorf . .	»	Aug. 9	» » 167, 311
	Rom . . .	»	Aug. 16, 17, Sept. 5 . .	» » 169, 65
	Wien . . .	»	Aug. 5, 6, 12, 16, 19, 29	» » 168, 91
540 [1904 *ON*] .	Wien . . .	»	Aug. 6, 9, 13, 16, 19, 30	» » 168, 91
541 [1904 *OO*] .	Heidelberg . .	»	Aug. 4, Sept. 6, 16 . .	» » 167, 187
	Wien . . .	»	Aug. 9, 10, 13, 16, 19 .	» » 168, 91
542 [1904 *OQ*] .	Heidelberg . .	»	Aug. 16, Sept. 5, 17, Okt. 13, Okt. 28	» » 167, 187
	Wien . . .	»	Aug. 19, 20, Okt. 2, 8 .	» » 168, 91
543 [1904 *OT*] .	Düsseldorf . .	»	Sept. 18	» » 167, 311
	Heidelberg . .	»	Sept. 11, 16, Okt. 3 . .	» » 167, 187
	Wien . . .	»	Okt. 13, 29, 30, Nov. 10, 11, Dez. 21, 28	» » 168, 91
544 [1904 *OU*] .	Heidelberg . .	»	Sept. 11, 16, Okt. 3 . .	» » 167, 187
	Wien . . .	»	Okt. 8, Nov. 6, 8, Dez. 9	» » 168, 91
545 [1904 *OY*] .	Düsseldorf . .	»	Okt. 9	» » 167, 311
	Heidelberg . .	»	Okt. 3	» » 167, 187
	Marseille . .	»	Okt. 7, 8, 10, 13, 15, 17, Okt. 18	B. A. 22, 146

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545 [1904 *OY*] .	Wien . . .	1904 Okt. 13. 29. 30, Nov. 8. 11, Dez. 9. 28	A. N. 168, 91
546 [1904 *PA*] .	Heidelberg [1]) .	» Okt. 14	» » 168, 101
	Heidelberg . .	» Okt. 10*	» » 166, 176
	Rom . . .	» Okt. 13	» » 166, 221
	Wien . . .	» Okt. 13, 29, 30. Nov. 11, 13. Dez. 10, 28	» » 168, 93
547 [1904 *PB*] .	Arcetri . . .	» Nov. 11, 13. 14, 15 . .	» » 167, 315
	Heidelberg . .	» Nov. 5*, 6*, Dez. 14* . .	» » 166, 271, 167, 47
	Heidelberg . .	» Okt. 14, Dez. 27 . . .	» » 167, 187, 168, 227
	Wien . . .	» Nov. 8. 11, 17, 1905 Jan. 8	» » 168, 93
548 [1904 *PC*] .	Heidelberg . .	» Okt. 14, Nov. 6 . . .	» » 167, 187
	Wien . . .	» Nov. 13, 17. Dez. 28. 1905 Jan. 8	» » 168, 93
549 [1904 *PK*] .	Heidelberg . .	» Nov. 15	» » 167, 187
	Heidelberg . .	» Dez. 27*	» » 167, 48
	Rom . . .	» Nov. 18, 20	» » 169, 65
	Wien . . .	» Nov. 29, Dez. 4. 27. 1905 Jan. 2. 10. 15. 21 .	» » 168, 93
550 [1904 *PL*] .	Heidelberg . .	» Nov. 16. Dez. 14 . . .	» » 168, 227
	Heidelberg . .	» Dez. 27*	» » 167, 48
	Wien . . .	» Dez. 16. 1905 Jan. 2, 9. Febr. 9	» » 168, 93
551 [1904 *PM*] .	Heidelberg . .	» Nov. 16. Dez. 14 . . .	» » 168, 227
	Heidelberg . .	» Dez. 27*	» » 167, 48
	Wien . . .	» Dez. 16. 1905 Jan. 2. 10, Jan. 15, 22, Febr. 10 . .	» » 168, 95
552 [1904 *PO*] .	Heidelberg . .	» Nov. 16. Dez. 14 . . .	» » 168, 227
	Heidelberg . .	» Dez. 27*	» » 167, 48
	Wien . . .	» Dez. 30. 1905 Jan. 2, 3. 9	» » 168, 95
553 [1904 *PP*] .	Heidelberg . .	» Dez. 14. 27	» » 168, 227
	Wien . . .	1905 Jan. 2. 3. 9	» » 168, 95
554 Peraga . .	Arcetri . . .	» Febr. 6, 7. 8. 9. 10, 12, Febr. 13, 14, März 5, 6, 7. März 8, 9, 13	» » 169, 217
	Düsseldorf . .	» Jan. 13. 14. 15. 23, März 1	» » 167, 109. 335, 367
	Heidelberg . .	» Jan. 8*, 11*. 23*, Febr. 9*, Febr. 25*	» » 167, 77, 78, 172, 207, 287
	Padua . . .	» Jan. 13. 14, 16, 23, 27, Jan. 28, 31, Febr. 1, 3, 4. 5. Febr. 6. 9, 10, 11, 13. 14	» » 167, 237

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554 Peraga . .	Rom . . .	1905 Jan. 11. 12, 14. 22. 28. Febr. 4	A. N. 167. 75, 169. 67
	Wien . . .	» Jan. 12. 16, Febr. 10, März 9, März 12	» » 167. 77, 171, 317, 351
	Wien . . .	» März 29, April 9 . . .	» » 168, 13. 43
555 [1905 *PT*] .	Heidelberg . .	» Jan. 14. 26. Febr. 9. 25 .	» » 168, 227
	Wien . . .	» Febr. 14	» » 167. 317
556 [1905 *PW*] .	Heidelberg . .	» Jan. 8*[1]), 23*, Febr. 9*, 25*	» » 167, 77, 171, 207. 287
	Wien . . .	» Jan. 12[1]), 16. 27, Febr. 14. März 9, 11	» » 167, 77. 171. 317, 351
	Wien . . .	» März 29. April 9 . . .	» » 168, 13. 43
557 [1905 *PY*] .	Heidelberg . .	» Jan. 14, 26. Febr. 9. 25 .	» » 168, 227
558 [1905 *QB*] .	Heidelberg . .	» Febr. 9. März 13 . . .	» » 168, 227
	Wien . . .	» März 29, 31, April 4, 9. April 23. 30, Mai 10 . .	» » 168. 13, 31. 43. 63, 109, 139
559 [1905 *QD*] .	Heidelberg . .	» März 8*, April 1* . . .	» » 167, 336. 168, 31
	Wien . . .	» März 11, April 1. 4, 9, 20, April 25, Mai 8, 31 . .	» » 167, 351, 168, 31, 43. 63, 139, 259
560 [1905 *QF*] .	Heidelberg . .	» März 13	» » 168, 227
	Wien . . .	» März 30, 31. April 4, 9, 24. 30, Mai 5	» » 168, 31, 43. 63. 109, 139
561 [1905 *QG*] .	Heidelberg . .	» März 26*	» » 168. 16
	Wien . . .	» März 30. 31, April 6. 8, 11, 30	» » 168, 31, 43. 109
562 [1905 *QH*] .	Heidelberg . .	» April 3*	» » 168, 31
	Wien . . .	» April 8, 9, 24, 28, Mai 2, Mai 6. 10	» » 168, 31, 43. 63, 109. 139
563 [1905 *QK*] .	Heidelberg . .	» April 6*. 13*, Mai 25* .	» » 168. 32, 47, 228
	Wien . . .	» April 14, 25, 30, Mai 6, 30	» » 168, 43. 63. 109, 139, 259

[1]) Mit (517) [1903 *MH*] bezeichnet.

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564 [1905 *QM*] .	Heidelberg . .	1905 Mai 9*, 10*, 23*, Juni 3*	A. N. 168, 127. 227, 291
	Wien . . .	» Mai 27, 30, Juni 2, 5. 23, Juni 26, 29	» » 168, 259, 275. 355
565 [1905 *QN*] .	Heidelberg . .	» Mai 9*, 23*, Juni 22* .	» » 168, 127, 227. 355
	Wien . . .	» Mai 27, 30, Juni 2, 5. 12, Juni 25, 26	» » 168, 259, 275. 355
566 [1905 *QO*] .	Heidelberg . .	» Mai 28*, 29*	» » 168, 243, 244
	Rom . . .	» Juni 1. 2	» » 168. 243. 321
	Wien . . .	» Juni 2. 5. 12. 25. 29 . .	» » 168. 275, 355
567 [1905 *QP*] .	Heidelberg . .	» Mai 28*. 29*	» » 168. 243, 244
	Wien . . .	» Juni 3, 5. 12. 23, 25, 29	» » 168. 275. 355
568 [1905 *QS*] .	Heidelberg . .	» Juli 26*, 27*, Aug. 21* .	» » 169, 95. 96, 207
	Wien . . .	» Juli 30, 31. Aug. 3, 5, 7. 9. Aug. 21, 22, 28, Sept. 5. 18	» » 169, 109, 143. 151. 223. 271
569 Misa . . .	Wien . . .	» Juli 27, 28, 30, Aug. 1, 8, Aug. 10, 22, 26, 31, Sept. 5. Sept. 18	» » 169. 109. 111. 143, 151, 223, 239. 271
[1904 *NX*] .	Heidelberg . .	1904 April 16, Mai 7. 11 . .	» » 167, 187
	Wien . . .	» April 19	» » 168, 89
[1904 *OD*] .	Heidelberg . .	» Mai 11, Juni 11 . . .	» » 167, 187
	Wien . . .	» Mai 14, 20	» » 168, 89
[1904 *OP*] .	Heidelberg . .	» Aug. 14, Sept. 5 . . .	» » 167, 187
	Wien . . .	» Aug. 17. 19	» » 168. 91
[1904 *OR*] .	Heidelberg . .	» Sept. 6, 11. 16. Okt. 3 .	» » 167. 187
	Wien . . .	» Okt. 13	» » 168, 91
[1904 *OX*] .	Heidelberg . .	» Sept. 19. Okt. 9 . . .	» » 167, 187
[1904 *OZ*] .	Heidelberg . .	» Okt. 9*	» » 166, 176
[1904 *PD*] .	Heidelberg . .	» Okt. 15*	» » 166. 224
[1904 *PF*] .	Heidelberg . .	» Okt. 16*	» » 166. 224
[1904 *PG*] .	Heidelberg . .	» Nov. 13*, 14*	» » 166, 301
	Wien . . .	» Nov. 17	» » 168. 93
[1904 *PJ*] .	Heidelberg . .	» Nov. 15*	» » 166. 302
[1904 *PN*] .	Heidelberg . .	» Dez. 14*	» » 167, 47
[1905 *PQ*] .	Heidelberg . .	1905 Jan. 1*, 2*	» » 167. 61
[1905 *PR*] .	Heidelberg . .	» Jan. 1*, 2*	» » 167, 61
	Wien . . .	» Jan. 9, 14	» » 167, 77, 171

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[1905 *PU*] .	Heidelberg . .	1905 Jan. 14*, 26*	A. N. 167, 111. 172
[1905 *PZ*] .	Heidelberg . .	» Febr. 9*	» » 167, 208
[1905 *QA*] .	Heidelberg . .	» Febr. 9*	» » 167, 208
[1905 *QJ*] .	Heidelberg . .	» Mai 7*, 25*	» » 168, 109, 228
	Wien . . .	» Mai 10, 28, Juni 4 . .	» » 168, 139, 275
[1905 *QL*] .	Heidelberg . .	» Mai 7*	» » 168, 109
[1905 *QQ*] .	Heidelberg . .	» Juni 28*	» » 168, 355
	Wien . . .	» Juni 30	» » 168, 355
[1904 *QW*] .	Arequipa . .	1904 April 4*, 7*[1])	» » 169, 141
	Heidelberg . .	» März 20*	» » 169, 141
[1905 *QX*] .	Heidelberg . .	1905 Juli 30*[2]), Aug. 21* . .	» » 169, 111, 207
	Wien . . .	» Aug. 3[2]), 26, 30, Sept. 5, Sept. 18, 19	» » 169, 109, 223, 239, 271
[1905 *QZ*] .	Heidelberg . .	» Sept. 4*, 5*	» » 169, 223, 271
	Wien . . .	» Sept. 19	» » 169, 271
[1905 *RA*] .	Heidelberg . .	» Sept. 18*, 22*	» » 169, 271, 272
[1905 *RB*] .	Heidelberg . .	» Sept. 19*	» » 169, 271
[1905 *RC*] .	Heidelberg . .	» Sept. 19*	» » 169, 272
[1905 *RD*] .	Heidelberg . .	» Sept. 19*	» » 169, 272
[1905 *RE*] .	Heidelberg . .	» Sept. 19*	» » 169, 272
[1905 *RF*] .	Heidelberg . .	» Sept. 22*	» » 169, 272

[1]) Mit (475) Ocllo bezeichnet. [2]) Mit (263) Dresda bezeichnet.

B. Berechnungen.

Durch ein Sternchen (*) sind die Ephemeriden mit ausführlich berechneten Positionen kenntlich gemacht.

Nr. und Name	Ort der Publikation	Gegenstand der Publikation
15 Eunomia . .	A. N. 168, 151 .	Ephemeride.
58 Concordia .	» » 168, 143 .	Ephemeride.
92 Undina . .	» » 167, 185 .	Ephemeride*.
156 Xanthippe .	» » 168, 371 .	Ephemeride.
157 Dejanira = [1904 *PH*]	» » 166, 319 .	Ephemeride.
	» » 167, 27 .	Ephemeride.
167 Urda . . .	» » 169, 237 .	Ephemeride.
178 Belisana . .	» » 166, 269 .	Ephemeride*.
250 Bettina . .	» » 168. 61 .	Ephemeride.
276 Adelheid . .	» » 168. 111 .	Ephemeride.
311 Claudia . .	» » 168. 27 .	Ephemeride.
319 Leona . .	» » 166. 171 .	Elemente, Ephemeride.
	» » 166, 303, 167. 43 .	Ephemeride.
427 [1897 *DJ*] = [1905 *QC*]	» » 167, 255 .	Ephemeride.
433 Eros . . .	» » 168, 355 .	Ephemeride*.
434 Hungaria . .	» » 166. 367 .	Elemente, Ephemeride*.
444 Gyptis . .	B. A. 22, 335 . .	Ephemeride.
470 Kilia . . .	A. N. 168, 259 .	Ephemeride.
475 Ocllo . . .	» » 167. 349 .	Ephemeride.
478 Tergeste . .	» » 168, 125 .	Elemente, Ephemeride.
498 Tokio . . .	» » 168, 43 .	Ephemeride.
502 [1903 *LC*] .	» » 167, 393 .	Elemente.
516 Amherstia .	» » 166, 303 .	Elemente, Ephemeride*.
522 [1904 *NC*] .	» » 167, 185 .	Elemente, Ephemeride.
523 [1904 *ND*] .	» » 167, 267 .	Elemente.
524 [1904 *NN*] .	» » 167, 267 .	Elemente.
525 [1904 *NO*] .	» » 167. 267 .	Elemente.
526 [1904 *NQ*] .	» » 167. 267 .	Elemente.
527 [1904 *NR*] .	» » 167. 267 .	Elemente.
528 [1904 *NS*] .	» » 167, 267 .	Elemente.
529 [1904 *NT*] .	» » 167, 267 .	Elemente.
530 [1904 *NV*] .	» » 167. 267 .	Elemente.
531 [1904 *NW*] .	» » 167, 267 .	Elemente.
532 Herkulina .	» » 168, 339, 387	Elemente, Ephemeride.
	» » 168, 371 .	Ephemeride.
	» » 169, 89 .	Elemente.

Nr. und Name	Ort der Publikation	Gegenstand der Publikation
533 [1904 *NZ*] .	A. N. 167, 267 .	Elemente.
534 [1904 *OA*] .	» » 167, 267 .	Elemente.
535 [1904 *OC*] .	» » 166, 269 .	Elemente.
536 [1904 *OF*] .	» » 168, 195 .	Ephemeride.
537 [1904 *OG*] .	» » 167, 267 .	Elemente.
538 [1904 *OK*] .	» » 167, 267 .	Elemente.
539 [1904 *OL*] .	» » 167, 267 .	Elemente.
540 [1904 *ON*] .	» » 167, 267 .	Elemente.
541 [1904 *OO*] .	» » 167, 267 .	Elemente.
542 [1904 *OQ*] .	» » 167, 267 .	Elemente.
543 [1904 *OT*] .	» » 167, 267 .	Elemente.
544 [1904 *OU*] .	» » 167, 267 .	Elemente.
545 [1904 *OY*] .	» » 167, 267 .	Elemente.
546 [1904 *PA*] .	» » 167, 267 .	Elemente.
547 [1904 *PB*] .	» » 167, 267 .	Elemente.
548 [1904 *PC*] .	» » 167, 267 .	Elemente.
549 [1904 *PK*] .	» » 167, 267 .	Elemente.
550 [1904 *PL*] .	» » 167, 267 .	Elemente.
551 [1904 *PM*] .	» » 167, 267 .	Elemente.
552 [1904 *PO*] .	» » 167, 267 .	Elemente.
553 [1904 *PP*] .	» » 167, 267 .	Elemente.
555 [1905 *PT*] .	» » 169, 93 .	Elemente.
[1903 *NG*] .	» » 167, 269 .	Kreisbahn.
[1904 *OD*] .	» » 167, 270 .	Kreisbahn.
[1904 *OP*] .	» » 167, 271 .	Kreisbahn.
[1904 *OR*] .	» » 167, 272 .	Elemente.
[1904 *QW*] .	» » 169, 141 .	Kreisbahn.

Erläuterungen zu den Ephemeriden und Tafeln des Jahrbuchs für 1908.

Das Jahrbuch gibt die Örter der Wandelsterne in zwei Gattungen von Koordinaten an, in Ekliptikal- und Äquatorial-Koordinaten.

Bei den Ekliptikal-Koordinaten ist im allgemeinen als Anfangspunkt der Sonnenmittelpunkt angenommen und eine feste Lage der Ekliptik und des Äquinoktiums zu Grunde gelegt.

Bei den Äquatorial-Koordinaten ist als Anfangspunkt der Erdmittelpunkt angenommen und die jedesmalige wahre Lage des Äquators und des Äquinoktiums zu Grunde gelegt.

Die Zeitangaben für die im Jahrbuch mitgeteilten Örter sind überall, wo nicht ausdrücklich eine andere Zeit erwähnt wird, in mittlerer Berliner Sonnenzeit ausgedrückt. Die Lage des Berliner Meridians gegen diejenigen Meridiane, auf deren Zeitangaben sich die im Jahrbuch benutzten Sonnen-, Mond- und Planetentafeln begründen, ist nach den neusten Bestimmungen angenommen:

Berlin östlich von Paris um $44^m\ 13^s.86$,
Berlin östlich von Greenwich um $53^m\ 34^s.80$.

Der Anfang des Tages ist der Mittag; die Zählung der Stunden ist durchgängig bis 24 angenommen worden, so dafs die Stunden unter 12 die Nachmittagstunden desselben bürgerlichen Tages, die Stunden über 12, wenn man sie um 12 vermindert, die Vormittagstunden des nächstfolgenden bürgerlichen Tages sind.

Das Jahrbuch enthält aufser den Angaben über die Zeit- und Festrechnung folgende

Hauptabschnitte:

1) Reduktionselemente.

Die auf Seite 1 gegebene Übersicht der Reduktionselemente enthält für die mittleren Mittage von 10 zu 10 Tagen fortschreitend folgende Angaben:

1) Die mittlere Schiefe der Ekliptik, berechnet nach der Angabe von Newcomb (*Tables of the Motion of the Earth*, S. 10), nämlich:

$$\varepsilon = 23^\circ\, 27'\, 8''.26 - 0''.4685\ (t - 1900 \text{ Jan. } 0).$$

2) Die scheinbare Schiefe der Ekliptik, entstanden aus der vorhergehenden unter Hinzufügung der Nutation in Schiefe, nämlich:

$$\Delta\varepsilon = +0''.5519 \cos 2\odot + 0''.0092 \cos(\odot + 281^\circ\, 21') + 9''.210 \cos \Omega - 0''.0895 \cos 2\,\Omega.$$

Das kurzperiodische Glied

$$+0''.0884 \cos 2\,☾$$

ist hier weggelassen, findet sich aber in der letzten Kolumne der Sonnenephemeride von Tag zu Tag aufgeführt.

3) Die Präzession in Länge, berechnet mit der Newcombschen Präzessionskonstante:

Jährliche Präzession in Länge für 1908: 50″.2582.

4) Die Nutation in Länge, berechnet aus:

$$-1''.2725 \sin 2 \odot + 0''.1477 \sin (\odot + 81^\circ 51')$$
$$-17''.2329 \sin \Omega + 0''.2070 \sin 2 \Omega.$$

Die kurzperiodischen Glieder

$$-0''.2038 \sin 2 ☾ + 0''.0676 \sin (☾ - \Gamma')$$

sind hier weggelassen, finden sich aber in der Sonnenephemeride in der vorletzten Kolumne von Tag zu Tag aufgeführt.

Die angegebene Nutation entspricht dem Zeichen nach der Reduktion von mittlerer Länge auf wahre.

5) Die Aberration der Sonne, mit der von der Pariser Konferenz angenommenen Konstanten 20″.47 berechnet.

6) Die Parallaxe der Sonne, mit der von der Pariser Konferenz angenommenen Konstanten 8″.80 berechnet.

2) Sonnenephemeride.

Bei der Sonnenephemeride, welche nach den Sonnentafeln von Newcomb (*Astr. Papers* Vol. VI, Part. I) berechnet ist, enthält die linke Seite diejenigen Angaben, welche bei der Beobachtung der Sonne gebraucht werden; ihre Epoche ist der mittlere Berliner Mittag.

Sie enthält aufser dem Datum des Monats und dem Wochentage in sieben neben einander stehenden Kolumnen:

1) Die Zeitgleichung oder den Unterschied zwischen wahrer und mittlerer Zeit.
2) Die scheinbare Rektascension der Sonne.
3) Die ersten Differenzen dieser Zahlenreihe.
4) Die scheinbare Deklination der Sonne.
5) Die ersten Differenzen dieser Zahlenreihe.
6) Die Durchgangsdauer der Sonne in Sternzeit.
7) Den scheinbaren Halbmesser der Sonnenscheibe.

Bei der Rektascension und Deklination ist die Aberration bereits angebracht, dieselben sind daher direkt mit den Beobachtungen vergleichbar.

Gemäfs den Beschlüssen der Pariser Konferenz sind die Nutationsglieder kurzer Periode hier ebenso wie bei den folgenden Planetenephemeriden weggelassen.

Auf der rechten Seite stehen, ebenfalls mit der Epoche des mittleren Berliner Mittags, aufser dem Monats- und Jahrestage in acht Kolumnen neben einander:

1) Die Sternzeit im mittleren Mittage oder die wahre Rektascension der mittleren Sonne.

2) Die Länge der Sonne bezogen auf die mittlere Ekliptik und das mittlere Äquinoktium 1908.0 (annus fictus).

3) Die ersten Differenzen dieser Zahlenreihe.

4) Die Breite der Sonne bezogen auf die mittlere Ekliptik und das mittlere Äquinoktium 1908.0 (annus fictus).

5) und 6) Der Logarithmus des Radius vector der Sonne mit den Differenzen.

7) und 8) Die von der Mondlänge abhängigen Glieder der Nutation in Länge und Schiefe der Ekliptik, nämlich:

$$d\lambda = -0''.2038 \sin 2☾ + 0''.0676 \sin(☾ - \Gamma')$$
$$d\varepsilon = +0''.0884 \cos 2☾.$$

Die Koordinaten dieser Seite sollen bei Bahnberechnungen und dergleichen dienen, sie sind deshalb frei von Aberration, deren Berücksichtigung nur bei ihrer Anwendung zur Vorausberechnung von Finsternissen erforderlich wäre. Für diesen Fall findet man die Korrektion, die man von der Länge abziehen mufs, in der vorletzten Kolumne der Seite 1.

Für die Berechnung des scheinbaren Sonnenhalbmessers ist nach Professor Auwers 15′ 59″.63 angenommen.

Auf Seite 22—41 folgen die rechtwinkeligen Sonnenkoordinaten von 12^h zu 12^h mittlerer Zeit, bezogen auf die mittlere Lage des Äquators und Äquinoktiums für den Anfang des *annus fictus* 1908 (1908 Jan. 1.29).

Diese Koordinaten sind bekanntlich mit entgegengesetzten Zeichen die Koordinaten des Erdmittelpunktes gegen den Sonnenmittelpunkt als Ursprung, bezogen auf eine X-Achse, deren positive Richtung in einer durch den Sonnenmittelpunkt parallel der Ebene des Erdäquators gelegten Ebene durch die Linie des aufsteigenden Knotens der Erdbahn in dieser heliozentrischen Äquatorialebene bestimmt wird, deren positive Y-Achse in der heliozentrischen Äquatorialebene 90° in der Richtung der Erdbewegung von der X-Achse absteht, und deren positive Z-Achse parallel der Erdachse nach der nördlichen Seite gerichtet ist.

Neben den Koordinaten stehen von Tag zu Tag die Reduktionen derselben auf das mittlere Äquinoktium des benachbarten Jahrzehnt-Anfanges 1910.0 in Einheiten der letzten Dezimale; sie dienen zur bequemen Verbindung der Koordinatenangaben aufeinanderfolgender Jahre.

3) Mondephemeride.

Von den die Mondephemeride enthaltenden Seiten 42—81 geben die links liegenden Seiten für mittleren Mittag und Mitternacht:

1) Die wahre Rektascension des Mondes mit den Differenzen.

2) Die wahre Deklination des Mondes mit den Differenzen.

3) Den log. Sinus der Äquatorial-Horizontal-Parallaxe des Mondes mit den Differenzen.

4) Den scheinbaren Halbmesser des Mondes.

Unterhalb dieser Kolumnen sind die Epochen der Mondphasen angegeben.

Auf den rechts liegenden Seiten befinden sich die Angaben, welche die Meridianbeobachtungen des Mondes und ihre Reduktion unterstützen sollen, sowie nach dem Verzeichnis des *Nautical Almanac* die genäherten Örter der sogenannten Mondsterne, deren korrespondierende Beobachtung in Verbindung mit dem Monde besonders die Genauigkeit der Längenbestimmungen aus Mondkulminationen, sowie auch der Parallaxenbestimmungen aus Zenitdistanzen erhöhen soll.

Die abgekürzte Ortsangabe der Mondsterne, welche für die Aufsuchung derselben hinreicht, wird als genügend betrachtet werden können, wenn man bedenkt, dafs der Hauptzweck der Mondsternangaben die Herbeiführung korrespondierender Beobachtungen derselben ist, dafs aber bei solchen die Örter dieser Sterne eliminiert werden, und dafs bei einem Mangel an korrespondierenden Beobachtungen entweder eine sehr sorgfältige und selbständige Diskussion der für die Mondposition zu Grunde zu legenden Sternörter oder die Beziehung derselben auf die Meridianbeobachtungen benachbarter Fundamentalsterne eintreten mufs.

Es enthalten auf diesen Seiten:

Die 1. Kolumne den Monatstag und die Bezeichnung des oberen oder unteren Berliner Meridiandurchganges des Mondes durch *O* und *U*.

Die 2. Kolumne die Mittl. Berl. Zeit des Meridiandurchganges des Mondes.

Die 3. Kolumne die Rektascension des Mondes zur Zeit der Kulmination.

Die 4. Kolumne die halbe Durchgangsdauer in Sternzeit berechnet mit Hülfe des geozentrischen Halbmessers des Mondes und der stündlichen Bewegung in AR.

Die 5. Kolumne die stündliche Bewegung in Rektascension einschliefslich der Veränderung des Halbmessers, hier für die besonderen Zwecke nicht auf eine Stunde mittlerer Zeit sondern auf das Zeitintervall bezogen, welches zwischen zwei der Epoche benachbarten Durchgängen des Mondes durch zwei um eine Stunde von einander abstehende Meridiane verfliefst.

Die 6. Kolumne die Deklination des Mondes zur Zeit der Kulmination.

Die 7. Kolumne die stündliche Bewegung in Deklination (auf dasselbe Intervall bezogen wie die Bewegung in AR.).

Die 8., 9., 10. Kolumne die Rektascension, Deklination und Gröfse der allgemein angenommenen Mondsterne oder Vergleichsterne des Mondes nach dem *Nautical Almanac*. Bei der Auswahl derselben ist das Prinzip befolgt, dafs von den jedesmal zu benutzenden 4 Sternen die beiden dem Monde folgenden am folgenden Tage als die beiden vorangehenden beobachtet werden. Es gehören also zu jeder oberen Kulmination (Berlin) die 4 aufeinanderfolgenden Sterne, deren erster auf gleicher Linie mit der Angabe des zugehörigen Monatstages steht.

Dieselben Seiten enthalten endlich unterhalb jener Kolumnen die Epochen des Perigäums und Apogäums des Mondes.

Von den Mondörtern ist nur eine geringe Anzahl für die Finsternisse direkt nach den *Tables de la lune, construites d'après le principe Newtonien de la gravité universelle par P. A. Hansen*, mit Berücksichtigung von *Newcombs Corrections to Hansens Tables of the Moon*, berechnet worden; für die Berechnung der Ephemeride ist dagegen die ausführliche Mondephemeride des *Nautical Almanac* benutzt worden, die der Redaktion infolge Übereinkommens mit der *Nautical Almanac Office* in den Aushängebogen zur Verfügung stand.

4) Ephemeride für den Mondkrater Mösting A.

Die Ephemeride des Mondkraters Mösting A, Seite 82—86, dient zwei verschiedenen Zwecken: erstens zur genauen Bestimmung von Mondörtern am Himmel durch Meridianbeobachtung des Kraters, zweitens zur Bestimmung der selenographischen Koordinaten weiterer Punkte der Mondoberfläche durch mikrometrischen Anschlufs derselben an Mösting A aufserhalb des Meridians.

Sie gilt für die mittlere Mitternacht in Berlin und enthält für die Tage, an welchen Mösting A innerhalb der Beleuchtungsgrenze liegt, die Unterschiede $\alpha_{☾} - \alpha_k$ in Rektascension und $\delta_{☾} - \delta_k$ in Deklination zwischen der Mondmitte und dem Krater vom Erdmittelpunkt aus gesehen mit ihren Differenzen, sowie den Logarithmus des Sinus der Äquatorialhorizontal-Parallaxe p_k des Kraters, welche hier von der des Mondes $p_{☾}$ zu unterscheiden ist, mit den zugehörigen Differenzen.

Zur Anwendung der Ephemeride auf Meridianbeobachtungen des Kraters interpoliere man unter strenger Berücksichtigung der zweiten Differenzen $\alpha_{☾} - \alpha_k$, $\delta_{☾} - \delta_k$ und $\log \sin p_k$ mit der Zeit des Durchgangs des Kraters durch den Meridian. Dann befreie man die beobachtete Deklination des Kraters von der Höhenparallaxe, indem man diese in der bekannten Weise mit dem Argument der wahren Kraterdeklination (nicht Monddeklination), unter Benutzung von p_k, berechnet. Bringt man alsdann

$\alpha_{☾} - \alpha_k$ und $\delta_{☾} - \delta_k$ an die Beobachtung an, so hat man die AR. und Dekl. des Mondes, wie sie vom Erdmittelpunkt aus beobachtet wären, für die Beobachtungszeit, d. h. für die Kulmination des Kraters (nicht des Mondes).

Für Beobachtungen aufserhalb des Meridians interpoliere man $\alpha_{☾} - \alpha_k$, $\delta_{☾} - \delta_k$ und $\log \sin p_k$ mit der Zeit der Beobachtung. Man findet dann die gesehene, mit Parallaxe behaftete Differenz $\alpha'_{☾} - \alpha'_k$ offenbar, indem man die mit $p_{☾}$ und dem Mondort berechnete Parallaxe $\alpha'_{☾} - \alpha_{☾}$ des Mondes in AR. zu $\alpha_{☾} - \alpha_k$ addiert und dann die mit p_k und dem Kraterort berechnete Parallaxe $\alpha'_k - \alpha_k$ des Kraters in AR. subtrahiert. Also findet man:

$$\alpha'_{☾} - \alpha'_k = \alpha_{☾} - \alpha_k + (\alpha'_{☾} - \alpha_{☾}) - (\alpha'_k - \alpha_k)$$

und ebenso

$$\delta'_{☾} - \delta'_k = \delta_{☾} - \delta_k + (\delta'_{☾} - \delta_{☾}) - (\delta'_k - \delta_k).$$

Verbindet man die so erhaltenen scheinbaren Abstände zwischen der Mondmitte und Mösting A mit mikrometrischen Messungen zwischen Mösting A und einem zweiten Krater, so erhält man die scheinbare Lage des letzteren gegen die Mondmitte und kann hieraus mit Hülfe von $\alpha'_{☾}$ und $\delta'_{☾}$, mit der auf Seite 87 angegebenen Lage des Mondäquators und der mit den Angaben auf Seite 457 berechneten physischen Mondlibration die selenographische Länge und Breite des zweiten Kraters berechnen. Hierzu dienen die im folgenden angeführten Formeln:

Bezeichnet man mit α' und δ' die scheinbare AR. und Dekl. des an Mösting A angeschlossenen Kraters, so hat man:

$$\begin{aligned}
s \sin \pi_m &= (\alpha' - \alpha'_{☾}) \cos \tfrac{1}{2} (\delta' + \delta'_{☾}) \\
s \cos \pi_m &= (\delta' - \delta'_{☾}) \\
\pi &= \pi_m - \tfrac{1}{2} (\alpha' - \alpha'_{☾}) \sin \tfrac{1}{2} (\delta' + \delta'_{☾}) \\
\sin (K + s) &= \sin s \operatorname{cosec} h'.
\end{aligned}$$

h' ist der scheinbare Radiusvector des Kraters, der aus h, dem vom Erdmittelpunkt aus gesehenen Radiusvector, durch Anbringen der Parallaxe gewonnen wird. Ist die Entfernung des Kraters vom Mondschwerpunkt gänzlich unbekannt, so ist für h der aus Sternbedeckungen folgende Wert des Mondhalbmessers (in Bogenmafs) einzusetzen.

$$\begin{aligned}
\sin d &= - \sin \delta'_{☾} \cos K + \cos \delta'_{☾} \sin K \cos \pi \\
\cos d \cos (a - \alpha'_{☾}) &= - \cos \delta'_{☾} \cos K - \sin \delta'_{☾} \sin K \cos \pi \\
\cos d \sin (a - \alpha'_{☾}) &= \sin K \sin \pi \\
\sin \beta &= \sin d \cos i - \cos d \sin i \sin (a - \Omega') \\
\cos \beta \sin \lambda' &= \sin d \sin i + \cos d \cos i \sin (a - \Omega') \\
\cos \beta \cos \lambda' &= \cos d \cos (a - \Omega').
\end{aligned}$$

Die Gröfsen i und Ω' entnehme man der Seite 87.

$$\lambda = \lambda' - 180^\circ - L - (\varDelta - \Omega).$$

L, die mittlere Länge des Mondes, findet sich auf Seite 88, wie $\varDelta - \Omega$ auf Seite 87.

Die so erhaltenen Werte von λ und β beziehen sich auf den mittleren (vom Einflufs der physischen Libration freien) Mondäquator; die Transformation auf den wahren erfolgt durch die Korrektionen:

$$d\lambda = +0'.16 \sin M - 0'.80 \sin M' - 0'.16 \sin 2\omega$$
$$+ \operatorname{tg}\beta[-1'.87 \cos(\omega + \lambda) + 0'.70 \cos(\omega - \lambda) - 0'.18 \cos(M + \omega - \lambda)]$$
$$d\beta = +1'.87 \sin(\omega + \lambda) + 0'.70 \sin(\omega - \lambda) - 0'.18 \sin(M + \omega - \lambda)$$

Die Grössen M, M', ω sind der Seite 457 zu entnehmen.

Bringt man diese Korrektionen $d\lambda$ und $d\beta$ an λ und β an, so erhält man die selenographischen Koordinaten des Kraters

$$\lambda_0 = \lambda + d\lambda, \qquad \beta_0 = \beta + d\beta.$$

Der Berechnung der Ephemeride des Kraters Mösting A liegen folgende Konstanten von F. Hayn zugrunde:

$$\lambda_0 = -5^\circ\ 10'.23, \qquad \beta_0 = -3^\circ\ 10'.92.$$
$$h = 15'\ 34''.61 \text{ entsprechend der Parallaxe } 57'\ 2''.27.$$

Für die Reduktion auf den mittleren Mondäquator wurden die Werte angenommen:

$$d\lambda = -0'.16 \sin M + 0'.80 \sin M' + 0'.16 \sin 2\omega$$
$$d\beta = -2'.55 \sin \omega + 0'.18 \sin(M + \omega)$$

so dafs die auf den mittleren Mondäquator bezogenen selenographischen Koordinaten des Kraters Mösting A sind:

$$\lambda = \lambda_0 + d\lambda, \qquad \beta = \beta_0 + d\beta.$$

5) Lage des Mondäquators. Mondbewegung.

Die beiden Tafeln auf Seite 87 und 88 dienen neben dem oben angegebenen Zweck zur Berechnung der optischen Libration des Mondes (in Verbindung mit der Tafel auf Seite 458 und 459) und zur Ermittelung des Winkels C, welchen der Mondmeridian des Mittelpunktes der scheinbaren Mondscheibe mit dem Deklinationskreise bildet. Die Formeln für die Berechnung der optischen Libration sind auf Seite 459 vollständig aufgeführt.

Wird bezeichnet mit

i . . . . die Neigung des Mondäquators gegen den Erdäquator,

Δ . . . das Stück des Mondäquators vom aufsteigenden Knoten im Erdäquator bis zum aufsteigenden Knoten in der Ekliptik,

☊′ . . . der aufsteigende Knoten des Mondäquators im Erdäquator,

☊ . . . der aufsteigende Knoten des Mondäquators in der Ekliptik,

α, δ . . Rektascension und Deklination des Mittelpunktes der Mondscheibe, gesehen vom Beobachtungsort aus,

l', b' . . die optische Libration in selenographischer Länge und Breite,

l_0 . . . die mittlere Länge des Mondes,

$l = l' + l_0$,

so wird

$$\sin C = -\sin i \frac{\cos(l + \Delta - \text{☊})}{\cos \delta} = -\sin i \frac{\cos(\alpha - \text{☊}')}{\cos b'},$$

wobei C vom nördlichen Teil des Deklinationskreises nach Osten positiv gerechnet wird.

Bei der Berechnung von i, Δ, ☊′ ist die Neigung des Mondäquators gegen die Ekliptik nach F. Hayn (Selenographische Koordinaten) zu $J = 1° 32' 6''$ angenommen worden. Die Angaben sind frei von physischer Libration.

Die in der ersten Kolumne der Tafel auf Seite 88 aufgeführte Länge des aufsteigenden Knotens der Mondbahn auf der Ekliptik dient auch zur Berechnung der Nutationsausdrücke.

6) Auf- und Untergang von Sonne und Mond für Berlin.

Auf Seite 89—93 sind die Zeiten der Auf- und Untergänge von Sonne und Mond für Berlin in mittlerer Berliner Zeit aufgeführt, welche als Grundlage für die Kalenderrechnungen benachbarter Orte häufig Verwendung finden.

7) Planetenephemeriden.

Von Seite 94—143 folgen die wahren geozentrischen Örter der Hauptplaneten. Dieselben sind für Merkur, Venus und Mars von Tag zu Tag, für Jupiter, Saturn, Uranus und Neptun von 2 zu 2 Tagen gegeben. Überall sind den mit der Beobachtung zu vergleichenden Angaben die ersten Differenzen beigefügt, die für eine genaue Interpolation zweckmäfsiger erscheinen als die Angabe der Bewegung in 1^h Länge.

Sämtliche geozentrische Koordinaten beziehen sich auf die jedesmalige wahre Lage des Äquators und des Äquinoktiums, sind aber frei von der *Aberratio fixarum*, so dafs man bei ihrer Vergleichung mit den Beobachtungen bekanntlich von den Beobachtungszeiten die jedesmalige Aberrations- oder Lichtzeit abziehen mufs, dann aber mit den so kor-

rigierten Epochen im Jahrbuche diejenigen wahren Richtungen findet, welche mit den beobachteten scheinbaren, nur von Parallaxe befreiten, direkt vergleichbar sind. Dieses Verfahren ist bis zu den Grenzen unseres Planetensystems ausreichend genau, da der Maximalfehler desselben nahezu 0″.001 Δ beträgt, also selbst bei Neptun 0″.03 nicht übersteigt.

Die »Log. Δ« überschriebene Kolumne gibt den für Berechnung der Lichtzeit und der Parallaxe erforderlichen Wert des Log. der Entfernung der Planeten vom Erdmittelpunkte in der bekannten Einheit ausgedrückt.

Die vorletzte Kolumne jeder Seite enthält unter der Bezeichnung »Östlicher Stundenwinkel« des Planeten einen genäherten Wert für die mittlere Zeit seiner oberen Kulmination. Die letzte Kolumne gibt den halben Tagbogen für die im Berliner Mittag stattfindende Deklination. Aus beiden Reihen von Werten wird man alles Erforderliche für Auf- und Untergang leicht ableiten können.

Als Grundlage für die Berechnung haben neben den Newcombschen Sonnentafeln gedient:

für Merkur, Venus und Mars die Newcombschen Tafeln in *Astronomical Papers*, Vol. VI, Part 2, 3 und 4,

für Jupiter und Saturn die Tafeln von G. W. Hill in *Astronomical Papers*, Vol. VII, Part 1 und 2,

für Uranus und Neptun die Newcombschen Tafeln in *Astronomical Papers*, Vol. VII, Part 3 und 4.

Die Reduktionen auf den wahren Ort sind durchweg mit den im Jahrbuch allgemein angewandten Präzessions- und Nutationsausdrücken berechnet, über welche unten näheres folgt. Die von der Mondlänge abhängenden Nutationsglieder sind durchweg fortgelassen.

Für die Reduktion und die Vergleichung der Planetenbeobachtungen mit der Ephemeride ist die Kenntnis der scheinbaren Halbmesser erforderlich. Man kann für dieselben in der Einheit der Entfernung annehmen:

für	Merkur	Halbmesser	. . . . .	3″.34
»	Venus	»	. . . . .	8 .78
»	Mars	»	. . . . .	4 .68
»	Jupiter	»	(Äquatorial)	99 .8
		»	(Polar) . .	92 .6
»	Saturn	»	(Äquatorial)	81 .4
		»	(Polar) . .	73 .4
»	Uranus	»	. . . . .	34 .7
»	Neptun	»	. . . . .	45

8) Heliozentrische Örter.

Auf die geozentrischen Ephemeriden der Hauptplaneten folgen Seite 144—148 die heliozentrischen Koordinaten derselben, und zwar der Log. des Radius vector, die Länge in der Bahn und die Reduktion auf die Ekliptik, die Breite und bei den Planeten Jupiter, Saturn, Uranus und Neptun noch der Winkel B_m, welchen der Radius vector mit derjenigen Bahnebene macht, für welche die bei jedem Planeten unter den Kolumnen hinzugefügten Angaben über ☊ und *i* gelten. (Siehe die ausführlichere Erläuterung im Jahrbuch für 1880 und 1881.)

Da diese heliozentrischen Koordinaten hauptsächlich zur Berechnung der speziellen Störungen dienen sollen, so ist die Genauigkeit und Ausführlichkeit ihrer Angaben dem ihrem Zweck entsprechenden Maſse angepaſst worden.

Hinzugefügt sind endlich auſser ☊ und *i* noch die Angaben betreffend die Masse der Planeten, und zwar:

für Merkur, Venus und (Erde + Mond) nach Newcomb (*Tables of the Sun,* Seite 12),
für Mars nach A. Hall,
für Jupiter nach Newcomb,
für Saturn nach Bessel,
für Uranus nach Hill (*Tables of Saturn,* Seite 167),
für Neptun nach Newcomb (*Tables of Uranus*, Seite 293).

9) Mittlere Örter von 925 Fixsternen.

Das Verzeichnis der mittleren Sternörter für 1908.0 auf Seite 149 bis 175 enthält die Örter von 603 der 622 Sterne des alten Fundamentalkatalogs und seiner südlichen Fortsetzung, ferner von 296 Sternen aus dem neuen Fundamentalkatalog für die Südsterne, welche A. Auwers in *Astron. Nachr.* Nr. 3431/32 gegeben hat und von 26 der 303 Zusatzsterne aus der Zwischenzone, im ganzen von 925 Sternen. Darunter befinden sich 10 nördliche und 10 südliche Polsterne über 81° Deklination, welche von den übrigen Sternen getrennt in einem besonderen Abschnitt aufgeführt sind.

Die Örter der an erster Stelle genannten Sterne enthalten die definitiven Korrektionen, welche A. Auwers in *Astron. Nachr.* Nr. 3927/29 angegeben hat. Bei den Eigenbewegungen ist unter gleichzeitiger Berücksichtigung ihrer Veränderlichkeit die Newcombsche Präzessionskonstante vorausgesetzt. Nicht berücksichtigt ist seinerzeit bei der Übertragung der Auwerschen Korrektionen von 1875 auf 1907 ihr Einfluſs auf die Präzession und deren Säkularänderung.

Er erreicht bei einigen Polsternen einen merklichen Betrag, nämlich bei:

λ Ursae min.	$\Delta\alpha =$	−0.209	$\Delta\delta =$	−0.007
α Ursae min.		−0.036		+0.002
51 H. Cephei		+0.004		+0.019
δ Ursae min.		−0.007		−0.003
Gr. 750		+0.010		−0.005
1 H. Draconis		−0.005		−0.006
30 H. Camelop.		−0.003		−0.002

Diese Korrektionen sind an die mittleren und scheinbaren Örter dieser Sterne in den Jahrgängen 1907 und 1908 noch anzubringen. Vom Jahrgang 1909 ab werden sie bereits berücksichtigt sein.

Bei den Angaben für Sirius auf Seite 156 sind die zu den Elementen V* gehörigen Werte (*Astr. Nachr.* 3929. Seite 301) angenommen worden.

10) Scheinbare Örter von 573 Fixsternen.

Die scheinbaren Örter der Sterne (Seite 176—375) sind für die 18 weniger als 10° von den Polen entfernten Sterne von Tag zu Tag, für die übrigen 555 Sterne von 10 zu 10 Tagen angegeben und beziehen sich auf die Epoche derjenigen oberen Kulmination im Berliner Meridian, welche an dem nebenstehenden wahren Sonnentage stattfindet. Der Übergang einer Kulmination auf den vorangehenden wahren Sonnentag ist dadurch bezeichnet, dafs das Datum des Tages, an welchem zwei obere Kulminationen stattfinden, vor den Rektascensionen aufgeführt ist.

Am Fufs der Ephemeride für jeden Stern ist sein mittlerer Ort für den Anfang des Jahres wieder angegeben, aufser bei den Polsternen, für welche an dieser Stelle der Betrag der täglichen Aberration in Rektascension für die Kulminationszeit steht. Hierbei liegt der auch auf Seite 376 angegebene Zahlenwert $0^s.0213$ zu Grunde.

Bei den von 10 zu 10 Tagen fortschreitenden Ephemeriden sind die scheinbaren Örter auf $0^s.01$ in Rektascension und $0''.1$ in Deklination angesetzt. Die kurzperiodischen Mondglieder der Nutation sind bei der Berechnung weggelassen worden und müssen in den Fällen, wo ihre Mitnahme wünschenswert erscheint, nach den Formeln auf Seite 376 und mit Hülfe der Tafel auf Seite 388 u. 389 besonders berechnet werden.

Bei den von Tag zu Tag berechneten scheinbaren Örtern der 18 den Polen nächsten Sterne sind. im Einklange mit der Bedeutung der Hundertteile der Zeitsekunde für die Rektascensionen dieser Sterne, die

Deklinationen auf Hundertteile der Bogensekunde angegeben; bei diesen Sternen sind auch die kurzperiodischen Mondglieder der Nutation angebracht, mit Ausnahme von f'.

Die der Berechnung der scheinbaren Örter zu Grunde gelegten Konstanten der Präzession, Nutation und Aberration entsprechen den Beschlüssen der Pariser Konferenz und sind aus der Formelübersicht Seite 376 zu ersehen. Man sehe hierüber auch den nächsten Abschnitt ein.

Der Betrag der jährlichen Parallaxe ist bei folgenden drei Sternen, bei denen dieselbe ansehnlich und ihrem Werte nach hinreichend verbürgt ist, nämlich bei

α Canis maj.	mit	der	Parallaxe	0″.38
α Lyrae	»	»	»	0 .18
61 Cygni	»	»	»	0 .51

bereits berücksichtigt.

11) Reduktionstafeln.

Auf die scheinbaren Örter der Sterne folgt Seite 376 eine Zusammenstellung der Formeln, nach welchen die Reduktionskonstanten der darauf folgenden Tafeln berechnet sind. Hierbei sind die Präzessionsgröfsen nach Newcomb, die Nutationskonstante 9″.21 und die Aberrationskonstante 20″.47 gemäfs den Beschlüssen der Pariser Konferenz zu Grunde gelegt.

Für den Gebrauch der Reduktionstafel für die Sterntage 1908 (Seite 377) ist erläuternd hinzuzufügen, dafs derjenige absolute Moment, in welchem die mittlere Sonnenlänge 280° oder die Rektascension der mittleren Sonne = $18^h\ 40^m$ ist, als die Anfangsepoche des astronomischen annus fictus und als der bequeme Ausgangspunkt der Zählung aller scheinbaren Bewegungen der Sterne, die von der Sonnenlänge abhängig sind, angenommen ist. An diesen Moment reihen sich die Epochen der Tafel (Seite 377) nach Sterntagen. Die Sonne erreicht jene Stellung um $1^h\ 35^m.1$ Sternzeit Berlin 1908 Jan. 1. Die Angaben der ersten Kolumne »Datum in mittlerer Zeit« drücken, von dieser Anfangsepoche beginnend, in Hundertteilen des mittleren Tages von Berlin die Zeitpunkte aus, welche der Folge der Sternzeiten entsprechen, und für welche die Zahlen der Tafel gelten. Man wird hiernach auf jeden beliebigen Zeitpunkt, gegeben durch mittleres Datum, Sternzeit und Längendifferenz mit Berlin, leicht und sicher übergehen können.

Diese Tafel dient für Berechnung von Sternephemeriden für die Epochen der Meridiandurchgänge, ohne Berücksichtigung der von der Mond-

länge abhängigen Nutationsglieder. Wegen ihrer logarithmischen Form ist sie zur Interpolation nicht geeignet. Man wird deshalb mit Vorteil die Interpolation erst nach der Summierung der einzelnen Korrektionen, welche unmittelbar für die Epochen der Tafeln berechnet werden können, eintreten lassen.

Die zweite Tafel (Seite 378—387) gibt nach den Anweisungen der Seite 376 für die mittlere Mitternacht Berlin die bekannten Konstanten zur Reduktion auf den scheinbaren Ort und zwar unter Weglassung der von der Mondlänge abhängigen Nutationsglieder, da diese Tafel überwiegend zu Reduktionen bei Vergleichungen von Beobachtungen mit Ephemeriden dienen soll. In der letzten Kolumne ist jedoch, um die Mondglieder in derselben Form hinzufügen zu können, unter dem Zeichen ☾ das Argument »mittlere Mondlänge« für die Tafeln der Seiten 388 und 389 angeführt, wobei die Peripherie in 1000 Teile geteilt gedacht ist.

Die Tafeln für die schnell veränderlichen Mondglieder der Nutation (Seite 388 und 389) enthalten die Hülfsmittel für die Reduktionen auf den scheinbaren Ort in derselben Form wie die vorangehenden beiden Tafeln.

Denselben liegen folgende Formeln zu Grunde:

$$A' = -0.00405 \sin 2☾ + 0.00134 \sin (☾ - 320° 13')$$
$$B' = -0.0884 \cos 2☾$$

und

$$f' = -0''.1865 \sin 2☾ + 0''.0618 \sin (☾ - 320° 13')$$
$$g' \sin G' = -0.0884 \cos 2☾$$
$$g' \cos G' = -0.0811 \sin 2☾ + 0.0269 \sin (☾ - 320° 13').$$

Die hauptsächlichste Vernachlässigung dabei liegt in der für das ganze Jahr konstanten Annahme des für 1908.5 berechneten Perigäums der Mondbahn: $\Gamma' = 320° 13'$.

In der Tafel Seite 390—399 sind die Mondglieder mit den Reduktionskonstanten vereinigt worden. Um den Gebrauch dieser Tafel zu erleichtern, sind jedesmal an derjenigen Stelle, wo die Werte einer der vier Konstanten *A*, *B*, *C*, *D* durch Null gehen, neben den logarithmischen Angaben die Numeri der betreffenden Konstante beigesetzt. Im übrigen gilt hinsichtlich der Einrichtung der Tafel dasselbe, was oben über den Gebrauch der Tafel Seite 377 gesagt wurde.

12) Sonnenfinsternisse.

Die Sonnenfinsternisse sind in der Form berechnet worden, welche Hansen (Theorie der Sonnenfinsternisse und verwandten Erscheinungen. Abhandlungen der K. Sächsischen Gesellschaft der Wissenschaften IV) der Behandlung dieses Problems gegeben hat.

Die Bezeichnungen und Einführungen von Hansen sind auch im Jahrbuch bei der tabellarischen Aufstellung der Rechnungsresultate durchgängig beibehalten worden, so dafs es genügen wird, zu ihrer Erläuterung auf die erwähnte Abhandlung zu verweisen (siehe besonders die übersichtliche Anführung der einzelnen Formeln von Seite 434 an).

Es wird hier nur erforderlich sein, in aller Kürze anzugeben, auf welche Weise man mit Hülfe der auf Seite 402, 404 und 406 gegebenen Hansenschen Elemente der Sonnenfinsternisse Zeit und Umstände der Finsternis für jeden Ort innerhalb der Grenzkurven berechnen kann.

Der Ort sei gegeben durch seine (nach Osten gezählte) Länge von Berlin . . . λ, oder von Greenwich . . . $\lambda_* = \lambda + 13° 23'.7$ und durch seine geographische Breite φ.

Man bilde zuerst $\tang \varphi_1 = (1 - c) \tang \varphi$, wo c die Abplattung der Erde ist, also $\log(1 - c) = 9.99855$ angenommen werden kann, sodann:

$$\xi = \cos \varphi_1$$
$$\eta = (1 - c) \sin \varphi_1.$$

Hierauf mufs man für die Epoche des fraglichen Phänomens, sei es nun erste und letzte äufsere oder innere Berührung oder gröfste Phase, einen Näherungswert der wahren Ortszeit annehmen.

Hierzu kann man die anderweitigen Angaben des Jahrbuchs, insbesondere die eventuelle Angabe der Epochen des Eintrittes der gröfsten Phase auf der Zentrallinie zu Rate ziehen. Ein für die erste Annäherung hinreichender und bequemer Näherungswert der Ortszeit ist $\mu + \lambda$, wo μ die wahre Berliner Zeit der geozentrischen gröfsten Phase ist. (Siehe Elemente der Finsternis.)

Sei der Näherungswert der Ortszeit t_0, so bilde man mit Hülfe der in dem Elementenverzeichnis des Jahrbuchs gegebenen Werte von γ, μ, n, u', f, δ', g, G, k, K, welche man beiläufig mit dem Argumente der wahren Berliner Zeit $\tau = t_0 - \lambda$ entnimmt, folgende Ausdrücke, welche als gemeinsame Grundlage der Annäherung für die Berechnung aller Phasen dienen können:

$$m \sin M = \gamma - \eta \cos g + \xi \sin g \sin (G + t_0)$$
$$m \cos M = (t_0 - \lambda - \mu) \frac{n}{15} - \eta \cos k + \xi \sin k \cos (K + t_0)$$
$$m' \sin M' = -\varkappa \xi \sin g \cos (G + t_0)$$
$$m' \cos M' = n - \varkappa \xi \sin k \sin (K + t_0)$$
$$u_0 = u' - (\eta \sin \delta' + \xi \cos \delta' \cos t_0) \tang f$$

wo
$$\varkappa = \frac{15 \cdot 3600}{206265} \qquad \lg \varkappa = 9.41797.$$

Bei der Entnahme von u' und f hat man für innere Berührungen u'_i und f_i, für äufsere Berührungen u'_a und f_a zu wählen.

Hierauf berechnet man:

$$\sin\chi' = \frac{m}{u_0}\sin(M+M')$$

$$t = t_0 - 15\frac{m}{m'}\cos(M+M') + 15\frac{u_0}{m'}\cos\chi'$$

wobei man, da zu $\sin\chi'$ ein negativer und ein positiver Wert von $\cos\chi'$ sich ergibt, zwei Werte von t (zur ersten oder letzten Berührung gehörig) findet.

Mit jedem dieser beiden Werte von t rechnet man nun in zweiter Annäherung, wobei die Elemente γ, μ, n, u', f, δ', g, G, k, K mit den wahren Berliner Zeiten $t-\lambda$ aus dem Elementenverzeichnis zu entnehmen sind:

$$m\sin M = \gamma - \eta\cos g + \xi\sin g\sin(G+t_0)$$

$$m\cos M = (t_0-\lambda-\mu)\frac{n}{15} - \eta\cos k + \xi\sin k\cos(K+t_0)$$

$$m'\sin M' = -\varkappa'\xi\sin g\cos\left[G+\frac{1}{2}(t_0+t)\right]$$

$$m'\cos M' = n - \varkappa'\xi\sin k\sin\left[K+\frac{1}{2}(t_0+t)\right]$$

$$u = u_0 + \varkappa'\xi\cos\delta'\operatorname{tang} f\sin\frac{1}{2}(t_0+t)\frac{(t-t_0)}{15}$$

wo $$\varkappa' = 30\cdot\frac{\sin\frac{1}{2}(t-t_0)}{t-t_0};$$

$(t-t_0)$ ist hierbei stets in Graden auszudrücken.

Mit den so gefundenen m, m', M, M' und u bildet man dann wieder

$$\sin\chi' = \frac{m}{u}\sin(M+M')$$

$$t = t_0 - 15\frac{m}{m'}\cos(M+M') + 15\frac{u}{m'}\cos\chi'.$$

Von den beiden Lösungen für t benutzt man bei der zweiten und den folgenden Näherungen für den Eintritt natürlich nur die zum Eintritt, ebenso bei den Näherungen für den Austritt die zum Austritt gehörige.

Die in zweiter oder dritter Näherung gefundenen Werte t sind meistens schon genau genug die wahren Ortszeiten des gesuchten Eintritts oder Austritts, und die Positionswinkel (am Sonnenmittelpunkt von der Richtung zum Nordpol nach der Seite der wachsenden Rektascensionen oder nach Osten hin gezählt) der Eintritts- und Austrittspunkte sind mit den beiden Werten von χ', die der Sinus ergibt:

$$\vartheta = N' + M' - \chi',$$

wo N' aus dem Elementenverzeichnis zu entnehmen ist.

Um die Zeit der gröfsten Phase zu berechnen, kann man zunächst die Werte t_0, m, m', M, M' aus der obigen ersten Annäherung benutzen und damit bilden:

$$t_1 = t_0 - 15\,\frac{m}{m'}\cos(M + M').$$

Mit dem so gefundenen Werte t_1 bildet man für die Epoche $t_1 - \lambda$ wieder die Werte der Elemente und berechnet damit in zweiter Annäherung die Werte m, m', M, M', indem man in den Gleichungen der ersten Annäherung t_0 durchgängig mit t_1 vertauscht. Man hat dann den genaueren Wert der Ortszeit der gröfsten Phase:

$$t = t_1 - 15\,\frac{m}{m'}\cos(M + M')$$

und zur Kontrolle für diese Zeit $M + M' = 90°$ oder $= 270°$, je nachdem der Mondmittelpunkt nördlich oder südlich vom Sonnenmittelpunkt vorbeigeht.

Zur Bestimmung der Gröfse der Verfinsterung hat man zugleich:

$$u = m,$$

welcher Wert bei zentraler Verfinsterung $= 0$ wird.

Die Gröfse in Teilen des Durchmessers i findet man mit einer für diese rohe Angabe genügenden Näherung:

$$i = \frac{u'_a - u}{u'_a - u'_i}, \;\ldots.$$

13) Sternbedeckungen durch den Mond.

Bei den Sternbedeckungen findet man zunächst (Seite 408 und 409) ein Verzeichnis derjenigen helleren Sterne (bis zur 5.5. Gröfse), welche im Laufe des Jahres 1908 für irgend einen Ort der Erdoberfläche vom Monde bedeckt werden können. Die Gröfsenangaben beruhen zum gröfsten Teil auf den Schätzungen von Argelander und Heifs, in einzelnen wenigen Fällen sind aufserdem für diese Angaben die Schätzungen Goulds benutzt; die mittleren Örter sind nach den Angaben verschiedener Kataloge mit Berücksichtigung der Eigenbewegung auf 1908.0 reduziert.

Hierauf folgen in den zweispaltigen Seiten 410—416 die Hülfsmittel zur Berechnung der einzelnen Bedeckungen:

in der 1. Kolumne die Nr. des Sterns, welcher bedeckt wird, nach dem voranstehenden Verzeichnisse;

in der 2. Kolumne die Zeit der geozentrischen Konjunktion in AR. von Stern und Mondmittelpunkt in Monatstagen, Stunden und Minuten;

in der 3., 4. und 5. Kolumne die Werte folgender Ausdrücke:

$$q = \frac{\delta - D}{\pi} \qquad p' = \frac{\Delta\alpha \,.\, \cos\delta}{\pi} \qquad q' = \frac{\Delta\delta}{\pi}$$

p' und q' in Einheiten der 4. Dezimale.

In diesen Ausdrücken bedeutet:

δ die geozentrische Deklination des Mondes für die geozentrische Konjunktionszeit T.

D die Deklination des Sterns.

π die Äquatorial-Horizontal-Parallaxe des Mondes (bezw. vermindert um die Parallaxe des Planeten bei Planetenbedeckungen) für die geozentrische Konjunktionszeit T.

$\Delta\alpha$ und $\Delta\delta$ die Veränderung der geozentrischen Rektascension und Deklination des Mondes (bezw. vermindert um die Veränderung des Planetenortes bei den Planetenbedeckungen), für eine Stunde mittlere Zeit, gültig für die Konjunktionszeit T.

Nennt man ferner die geozentr. AR. des Mondes zur Zeit $T \ldots \alpha$, die AR. des Sterns ... A, den geozentr. scheinbaren Halbmesser des Mondes ... r, die Längendifferenz des Beobachtungsortes gegen Berlin ... d (östlich positiv), die der mittleren Zeit $T + d$ entsprechende Sternzeit des Ortes ... μ, seine geozentrische Breite ... φ', seinen geozentrischen Radius vector in Teilen des Radius des Äquators ... ϱ; setzt man endlich (nach J. Peters *Astron. Nachr.* 3297)

$$\frac{r}{\pi} = k = 0.2725, \qquad \log k = 9.4354$$

$$\text{und } \log (15 \,.\, 3609.9 \sin 1'') = \log \lambda = 9.41916\,,$$

so wird die Aufgabe der Vorausberechnung der Ortszeit etc. für die betreffende Bedeckung in Verbindung mit den obigen in den Tafeln gegebenen Werten gelöst durch die Bildung folgender Ausdrücke und die Ausführung folgender Rechnungen (nach Bessels Näherungsformeln im Jahrbuch für 1831):

$$p = \frac{(\alpha - A)\cos\delta}{\pi} \quad (= 0 \text{ für das Zeitmoment } T)$$

$$u = \varrho \cos\varphi' \sin(\mu - A)$$

$$v = \varrho \sin\varphi' \cos D - \varrho \cos\varphi' \cos(\mu - A) \sin D$$

$$u' = \lambda\varrho \cos\varphi' \cos(\mu - A) \qquad = \left(\frac{du}{dt}\right)$$

$$v' = \lambda\varrho \cos\varphi' \sin(\mu - A) \sin D \qquad = \left(\frac{dv}{dt}\right)$$

$$m \sin M = p - u \qquad n \sin N = p' - u'$$

$$m \cos M = q - v \qquad n \cos N = q' - v'$$

(m und n stets positiv)

$$\tau = -\frac{m}{n} \cos(M - N).$$

Die Momente des Eintrittes und des Austrittes T_1 und T_2 des Sterns werden dann gefunden, wenn noch $\cos\psi = \frac{m \sin(M - N)}{k}$ (wo ψ immer kleiner als 180°) berechnet ist:

$$T_1 = T + d + \tau - \frac{k}{n} \sin \psi \qquad T_2 = T + d + \tau + \frac{k}{n} \sin \psi.$$

Die Örter des Eintrittes und Austrittes an der Mondscheibe in dem auf Seite 600 erläuterten Positionswinkel-Ausdruck sind:

$$Q_1 = N - 90° + \psi \qquad Q_2 = N - 90° - \psi.$$

Die so gefundenen Resultate werden indes von der Wahrheit sehr entfernt sein können, wenn die Korrektion τ, welche zu der Ortszeit der geozentrischen Konjunktion hinzugefügt werden mufs, um die Ortszeit des auf den Beobachtungsort bezüglichen kleinsten Abstandes des Sterns vom Mondmittelpunkt zu finden, sehr beträchtlich ist; mit anderen Worten, wenn an dem betreffenden Ort zur Zeit $T + d$ der Stundenwinkel des Mondes grofs ist. In diesem Falle nämlich ist hauptsächlich die Berechnung der der Zeit folgenden Veränderungen von u und v durch die ersten Differentialquotienten u' und v' bei der starken Änderung des Winkels $(\mu - A)$ nicht mehr genügend, sondern man mufs jetzt die zweite Näherung ausführen, indem man für die Ortszeit $T + d + \tau$ oder die Berliner Zeit $T + \tau = T_0$ berechnet:

$$p_0 = \tau p' \qquad q_0 = q + \tau q' \qquad \mu_0 = \mu + \tau + \varepsilon \qquad t = \mu_0 - A$$

(wo ε die Reduktion des mittleren Zeitintervalles τ auf Sternzeit bedeutet)

$$\begin{aligned} u &= \varrho \cos \varphi' \sin t \\ v &= \varrho \sin \varphi' \cos D - \varrho \cos \varphi' \sin D \cos t \\ u' &= \lambda \varrho \cos \varphi' \cos t \\ v' &= \lambda \varrho \cos \varphi' \sin D \sin t. \end{aligned}$$

Berechnet man mit diesen Werten

$$\Delta\tau = -\frac{m}{n} \cos (M - N),$$

so wird diese Näherung schon ziemlich ausreichend sein, um die Zeiten und Örter des Eintrittes und Austrittes zu finden, wie oben:

$$\cos \psi = \frac{m \sin (M - N)}{k}$$

$$T_1 = T + d + \tau + \Delta\tau - \frac{k}{n} \sin \psi \text{ u. s. w.}$$

Bei der Berechnung der ersten Näherung, welche τ ergibt, wird es aber nicht nötig sein, nach den ausführlichen Formeln bis

$$\tau = -\frac{m}{n} \cos (M - N)$$

zu rechnen, sondern man wird eine wesentliche Abkürzung und eine hinreichende Konvergenz der Näherung erreichen, wenn man setzt:

$$\tau = \frac{u}{p' - u'} \cdot \cdot \cdot \cdot \cdot$$

Wenn man hier noch statt des jedesmaligen, in den Elementen der Sternbedeckungen angegebenen p' den Durchschnittswert 0.5646 annimmt, läfst sich der Ausdruck

$$\tau = \frac{\varrho \cos \varphi' \sin (\mu - A)}{0.5646 - \lambda \varrho \cos \varphi' \cos (\mu - A)}$$

für eine bestimmte Polhöhe φ' sehr leicht mit dem Argumente des Stundenwinkels $(\mu - A)$ in eine Hülfstafel bringen, aus der man ohne Mühe den zur ersten Näherung hinreichenden Wert von τ bei westlichem Stundenwinkel positiv, bei östlichem negativ entnimmt.

Um für jeden Ort die erste Korrektion τ in Minuten ausgedrückt zu finden, kann die Tafel Seite 605 mit dem Horizontalargument »φ'« und dem Vertikalargument »Stundenwinkel« dienen. Zur genäherten Bildung des letzteren Argumentes werden die Kolumnen der Mondephemeride, welche »Mond im Meridian« überschrieben sind, von Nutzen sein können.

Für Orte, die nicht zu weit von Berlin entfernt sind, wird man aus dem für Berlin gegebenen Verzeichnis häufig schon ersehen können, ob eine Sternbedeckung stattfindet oder nicht; für näher gelegene Orte dürfte es in diesem Falle schon genügen, wenn man an die für Berlin gegebenen Zeiten des Ein- und Austrittes nur die Längendifferenz anbringt. Wenn nämlich die Sehne vom Punkte des Eintrittes zu dem des Austrittes dem Mondmittelpunkt nahe liegt, so müfste der Unterschied der Parallaxe für Berlin und den anderen Ort schon nahe den Betrag des Mondhalbmessers erreichen, wenn dort die Sternbedeckung nicht sichtbar sein sollte; für nahe liegende Orte sind die Wirkungen kleiner Unterschiede der Parallaxen gerade in diesem Falle sehr gering.

Um allgemein für irgend einen Ort, dessen östliche Länge d und dessen geozentrische Breite φ' näherungsweise bekannt sind, im voraus zu bestimmen, welche Sternbedeckungen sichtbar werden, hat man nach den im Jahrbuch gegebenen Elementen folgendes zu beachten:

Nach den Angaben der Mondephemeride kennt man die Zeiten des Meridiandurchganges des Mondes (M), seine Deklination (δ) und die Deklination der Sonne. Nachdem man dann $(T + d)$ gebildet, wird man mit Hülfe einer Tafel der halben Tagbögen (wie sie in den Handbüchern der Nautik für alle Breiten sich berechnet finden) meist sogleich entscheiden können:

1) Ob Eintritt und Austritt nach Sonnenuntergang und Mondaufgang oder vor Sonnenaufgang und Monduntergang stattfinden. Auf die Vergröfserung des Tagbogens durch die Bewegung des Mondes und auf die Parallaxe desselben ist vorläufig hierbei keine Rücksicht geboten, da deren Wirkungen in ihren mittleren Werten mittelst der Tafel Seite 605 durch τ berücksichtigt werden.

φ'

t	0°	8°	16°	24°	32°	40°	48°	56°	64°	72°	t
h m	m	m	m	m	m	m	m	m	m	m	h m
0 0	0	0	0	0	0	0	0	0	0	0	0 0
20	17	17	16	15	13	11	9	7	5	3	20
40	34	33	32	29	26	22	18	14	10	7	40
1 0	50	49	47	43	38	32	26	21	15	10	1 0
20	65	63	60	55	49	42	34	27	20	13	20
40	78	76	73	67	59	51	42	33	24	16	40
2 0	89	88	84	77	68	59	49	38	28	19	2 0
20	98	97	93	85	76	66	55	43	32	21	20
40	106	105	100	93	83	72	60	48	36	24	40
3 0	112	110	106	98	89	77	65	52	39	26	3 0
20	116	115	110	102	93	81	68	55	41	28	20
40	119	117	113	105	96	84	71	57	43	29	40
4 0	120	119	114	107	97	86	73	59	45	31	4 0
20	120	118	114	107	98	87	74	61	46	32	20
40	119	117	113	107	98	87	75	61	47	33	40
5 0	117	115	112	106	97	87	75	62	48	33	5 0
20	114	113	109	103	95	86	74	62	48	33	20
40	110	109	106	101	93	84	73	61	47	33	40
6 0	106	105	102	97	90	82	71	60	47	33	6 0
20	102	101	98	93	87	79	69	58	46	32	20
40		96	93	89	83	76	67	56	44	32	40
7 0			88	84	79	72	64	54	43	31	7 0
20			83	80	75	68	61	51	41	30	20
40				75	70	64	57	49	39	28	40
8 0					65	60	53	46	37	27	8 0
20						55	49	42	34	25	20
40							45	39	32	23	40
9 0							41	36	29	21	9 0
20								32	26	19	20
40								28	23	17	40
10 0								24	20	15	10 0
20									17	12	20
40									13	10	40
11 0									10	7	11 0
20									7	5	20
40										3	40
12 0										0	12 0

Aus vorstehender Tafel, in welcher τ das Zeichen des Stundenwinkels hat, erhält man sogleich mit φ' und $T+d-M$ einen Näherungswert für τ und hiermit den genäherteren Stundenwinkel $t = T+d-M+\tau$ und $q_0 = q + \tau q'$. Einen genäherten Wert von v erhält man durch Berechnung von

$$\sin(\varphi' - D) + \cos\varphi' \sin D (1 - \cos t)\ ^{*)}.$$

2) Ist nun $q_0 - v < k\ (k = 0.27)$, so findet in der Regel eine Bedeckung statt, im entgegengesetzten Falle nicht. Da aber τ zuerst nur annäherungsweise bekannt ist, so mufs, wenn $q_0 - v$ dem Werte von k nur nahe kommt, eine ausführlichere Berechnung angestellt werden.

In vielen Fällen dieser Art genügen indes schon einige weitere Betrachtungen zur Entscheidung, ob der aus der Tafel entnommene Wert von τ dem wahren Werte von τ sehr nahe kommt, gröfser oder kleiner ist. Man wird nämlich leicht entscheiden können, ob $(q' - v')$ sehr klein, positiv oder negativ wird, das Zeichen von $(q_0 - v)$ ist in den erwähnten zweifelhaften Fällen sehr bestimmt zu erkennen. Der Wert von u hängt für eine bestimmte Breite des Ortes nur von $\sin t$ ab und kann nie gröfser als $\cos\varphi'$ werden. — Hiernach gilt folgende Regel:

3) Sind $(q_0 - v)$ und $(q' - v')$ gleichnamig (beide positiv oder beide negativ), so mufs $p_0 - u = \tau p' - u$ negativ, sind jene ungleichnamig, so mufs $\tau p' - u$ positiv, ist $(q' - v')$ sehr klein (also das Vorzeichen noch unbestimmt), so mufs $\tau p'$ nahe gleich u werden, wonach man den Tafelwert von τ sogleich um ein oder ein paar Zehntel der Stunde im richtigen Sinne verbessern kann.

Seite 417 enthält die Vorausberechnung der Sternbedeckungen für Berlin.

14) Jupiterstrabanten.

Auf die Sternbedeckungen folgen Seite 418—423 die Erscheinungen der vier älteren Jupiterstrabanten, und zwar für sämtliche Trabanten zunächst die Angaben, aus denen man ihren Ort, wie sie vom Mittelpunkte der Erde aus gesehen zu einer beliebigen Zeit in Bezug auf den Mittelpunkt der Jupiterscheibe erscheinen, herleiten kann; sodann die Zeitangaben für die Verfinsterungen der Trabanten in dem Schattenkegel des Jupiter, welche von ihrem Stande gegen die Sonne abhängen. Bei den Verfinsterungen ist für die beiden inneren Trabanten die Zeit des Ein- oder Austritts, für die beiden äufseren Trabanten die Mitte der Verfinsterung und ihre halbe Dauer angegeben, alles in mittlerer Berliner Zeit und so, wie man die Erscheinung unmittelbar beobachten kann.

*) Um für einen Ort eine allgemeine, für diesen Zweck genügende Tafel der v zu bilden, hat man höchstens 5 Werte von $\sin(\varphi' - D)$ und 2 Werte von $\cos\varphi' \sin D$ auf 2 oder 3 Stellen zu berechnen.

Für den geozentrischen Ort ist die Zeit der jedesmaligen scheinbaren oberen Konjunktion des Trabanten mit der Erde, oder die Zeit, wann Jupiter sich in einer auf die Ebene der Trabantenbahn senkrecht gelegten Ebene zwischen der Erde und dem Trabanten befindet, angesetzt. Für jeden Trabanten sind in den Jahrbüchern bis zum Jahrgang 1871 Hülfstafeln gegeben, welche für die mittlere synodische Umlaufszeit die Abscissen und Ordinaten des Ortes des Trabanten in seiner als kreisförmig angenommenen Bahn ergeben. Die Achse der Abscissen liegt senkrecht auf der Konjunktionsebene, beide Koordinaten natürlich in der Ebene der Trabantenbahn und ihr Anfangspunkt im Mittelpunkte der Jupiterscheibe. Die Einheit, in welcher die Koordinaten ausgedrückt sind, ist der Halbmesser des Jupiter. Die kreisförmige Bahn wird sich der Erde als eine Ellipse darstellen, deren kleine Achse in der Konjunktionsebene liegt, so dafs die Abscissen ungeändert bleiben, die Ordinaten aber in dem Verhältnis der halben kleinen zur halben grofsen Achse vermindert werden müssen. Dieses Verhältnis, und zwar $\frac{b}{a}$, ist neben den Zeiten der oberen Konjunktion angesetzt. Wünscht man nun für eine Zeit T, welche zwischen zwei auf einander folgende Zeiten t und t' der oberen Konjunktion fällt, den Ort des Trabanten zu haben, so geht man mit dem Argument

$$T - t$$

in die Hülfstafeln ein, nimmt daraus die entsprechenden Werte von x und y', und hat damit in Halbmessern des Jupiter den Stand des Trabanten in Bezug auf den Mittelpunkt des Jupiter gegeben durch

$$x \text{ und } y = y' \frac{b}{a},$$

wobei man die Zeichen von x, y' und $\frac{b}{a}$ zu berücksichtigen hat. Das Zeichen der letzten Gröfse deutet an, welche Fläche der Trabantenbahn man sieht, ob die obere (nördliche, dem Nordpole der Ekliptik zugewandte bei positivem $\frac{b}{a}$), oder die untere (südliche).

Die Zeichen von x und y sind so gewählt, dafs für Berlin zur Zeit der Kulmination der Trabant für den Anblick im Fernrohre bei positivem x rechts, bei negativem x links vom Jupiter erscheint; bei positivem y ist er nördlich und beim negativen y südlich von einer Linie, welche mit den Streifen parallel durch das Zentrum des Jupiter gezogen werden kann.

Man könnte hier mit Leichtigkeit noch eine kleine Korrektion anbringen, wenn die Zwischenzeiten zweier auf einander folgenden oberen Konjunktionen beträchtlich von der mittleren synodischen Umlaufszeit verschieden wären. Wäre die letztere T', so würde man mit dem Argument

$$(T-t)\frac{T'}{t'-t}$$

eingehen müssen. Ebenso findet man die Vorübergänge der Trabanten vor der Jupiterscheibe durch die Zeiten der unteren Konjunktion, das Mittel aus den oberen, und die Ein- und Austritte der Trabanten in die Jupiterscheibe durch die Zeiten, zu denen

$$\sqrt{x^2+y^2} = 1,$$

wobei man von der elliptischen Gestalt des Jupiter absieht. Indessen sind diese letzteren Momente nur als beiläufige Näherungen zu betrachten, da für diese feineren und genaueren Bestimmungen die Tafeln sich nicht einfach genug einrichten liefsen, und aus gleichem Grunde wird die ersterwähnte Verbesserung wegen des Unterschiedes zwischen der wahren und mittleren synodischen Umlaufszeit unnötig sein.

Statt auf die in den früheren Jahrbüchern gegebenen Elongationstafeln zurückzugreifen, kann man auch leicht die Koordinaten der Trabanten aus den folgenden Formeln berechnen:

$$\left.\begin{aligned} x &= (0.7559)\sin[203^\circ.40\,.\,t] \\ y' &= (0.7559)\cos[203^\circ.40\,.\,t] \end{aligned}\right\}\ \text{Trabant I.}$$

$$\left.\begin{aligned} x &= (0.9576)\sin[101^\circ.29\,.\,t] \\ y' &= (0.9576)\cos[101^\circ.29\,.\,t] \end{aligned}\right\}\ \text{Trabant II.}$$

$$\left.\begin{aligned} x &= (1.16017)\sin[50^\circ.235\,.\,t] \\ y' &= (1.16017)\cos[50^\circ.235\,.\,t] \end{aligned}\right\}\ \text{Trabant III.}$$

$$\left.\begin{aligned} x &= (1.40552)\sin[21^\circ.488\,.\,t] \\ y' &= (1.40552)\cos[21^\circ.488\,.\,t] \end{aligned}\right\}\ \text{Trabant IV.}$$

wo t die seit der letzt vorangehenden oberen Konjunktion verflossene Zeit bezeichnet, ausgedrückt in Tagen, und wo die eingeklammerten Zahlen Logarithmen bedeuten. Die zu Grunde gelegten Werte der mittleren Entfernungen vom Jupiterszentrum (in Halbmessern der Jupiterscheibe) und die synodischen Umlaufszeiten sind beziehungsweise:

Trabant I.	5.70	$1^d\ 18^h\ 28^m.6$
» II.	9.07	3 13 17 .9
» III.	14.46	7 3 59 .6
» IV.	25.44	16 18 5 .1

Die Angaben für die Jupiterstrabanten sind nach den Tafeln von Damoiseau und deren Fortsetzung von Pottier berechnet.

Über die Verbesserungen, deren die Damoiseauschen Tafeln und die danach berechneten Verfinsterungen der Trabanten bedürftig sind, ist in dem Jahrbuche für 1880 näheres an dieser Stelle mitgeteilt worden.

15) Saturnsring.

Auf den Seiten 424 und 425 stehen die Angaben für die scheinbare Gröfse des Saturn und für die Lage und Gröfse des Saturnsringes, deren Bedeutung dort hinzugefügt ist. Es liegen folgende Bestimmungen nach Struve zugrunde:

Durchmesser des Saturn in der Entfernung 9.53887

Äquatorial 17″.47

Polar 15 .65

Lage des Saturnsringes gegen die Ekliptik und das Äquinoktium von 1889.25

$$\Omega_1 = 167^\circ\ 57'.0 \quad \text{und} \quad i_1 = 28^\circ\ 5'.6;$$

Durchmesser des Ringes in der Entfernung 9.53887

$$2\,R = 39''.35.$$

Will man statt der Struveschen Werte für die Durchmesser des Saturn diejenigen Werte, welche Bessel in Band 12 der *Astron. Nachr.* abgeleitet hat, verwenden, nämlich:

den Äquatorialdurchmesser = 17″.053

den Polardurchmesser = 15 .381

in der Entfernung, deren Logarithmus = 0.9796480,

so braucht man die Gröfsen α und β der Ephemeride nur mit den Zahlen

0.9761 bezüglich 0.9828

zu multiplizieren.

16) Saturnstrabanten.

Die Seiten 426 bis 454 enthalten die Angaben über die Saturnstrabanten. Alle Berechnungen für dieselben sind mit den von H. Struve in:

I. Beobachtungen der Saturnstrabanten, 1. Abteilung, 1. Supplementheft zu den »*Observations de Poulkova*«;

II. *Publications de l'Observatoire Central Nicolas*, Série II, Vol. XI, abgeleiteten und in folgendem kurz angeführten Elementen durchgeführt. Einzelne Verbesserungen zu den Elementen hat Herr Prof. H. Struve handschriftlich mitgeteilt. Für die Halbachsen der 6 inneren Trabanten sind die auf Seite 239 der zweiten Abhandlung mittels der Saturnmasse $\mu = \frac{1}{3500}$ rechnerisch abgeleiteten Werte angenommen.

Mimas
(II, Seite 195).

Epoche: 1889 April 0.0 mittl. Gr. Zt.

$E_0 = 127° 19'.0$
$n = 381°.9945$
$\delta l = -44°.243 \sin(116°.46 + 5°.075\, t)$
$\quad - 0°.75 \sin 3(116°.46 + 5°.075\, t)$
$l_1 = E_0 + nt_d + \delta l$
$\Theta = 54°.7 - 365°.3\, t$
$\gamma = 1° 36'.5$
$\Pi_1 = 107°.2 + 365°.3\, t$
$e = 0.0190$
$a = 26''.814$

Enceladus
(II, Seite 183).

Epoche: 1889 April 0.0 mittl. Gr. Zt.

$E_0 = 199° 19'.8$
$n = 262°.73199$
$\delta l = + 11'.24 \sin(143° + 92°.4\, t)$
$\quad + 20'.0 \sin(75° + 29°.3\, t)$
$l_1 = E_0 + nt_d + \delta l$
$\Theta = 328° - 152°.7\, t$
$\gamma = 1'.4$
$\Pi_1 = 308°.38 + 123°.43\, t$
$e = 0.0046$
$a = 34''.401$

Tethys
(II, Seite 195).

Epoche: 1889 April 0.0 mittl. Gr. Zt.

$E_0 = 284° 31'.0$
$n = 190°.69795$
$\delta l = + 118'.90 \sin(116°.46 + 5°.075\, t)$
$\quad + 2'.02 \sin 3(116°.46 + 5°.075\, t)$
$l_1 = E_0 + nt_d + \delta l$
$\Theta = 110°.55 - 72°.5\, t$
$\gamma = 1° 4'.36$
$e = 0.0000$
$a = 42''.586$

Dione
(II, Seite 183).

Epoche: 1889 April 0.0 mittl. Gr. Zt.

$E_0 = 253° 51'.4$
$n = 131°.534955$
$\delta l = - 1'.21 \sin(143° + 92°.4\, t)$
$\quad - 2'.13 \sin(75° + 29°.3\, t)$
$l_1 = E_0 + nt_d + \delta l$
$\Theta = 276° - 31°.0\, t$
$\gamma = 4'.0$
$\Pi_1 = 165° + 31°.0\, t$
$e = 0.0020$
$a = 54''.543$

Rhea
(II, Seite 176).

Epoche: 1889 April 0.0 mittl. Greenw. Zeit.

$E_0 = 358° 23'.8$
$n = 79°.690087$
$E - E_0 = + 4'.95 \sin(347°.3 - 10°.1\, t)$
$l = E_0 + nt_d + (E - E_0)$
$(\Omega - \Omega_1) \sin i_1 = 19'.77 \sin(347°.3 - 10°.1\, t) - 0'.38$
$\quad + 1'.00 \sin(48°.5 - 0°.50\, t)$
$i - i_1 = 19'.77 \cos(347°.3 - 10°.1\, t) - 2'.79 + 1'.00 \cos(48°.5 - 0°.50\, t)$
$\Pi = 305° + 10°.1\, t$
$e = 0.0009$
$a = 76''.170$

Ω_1 und i_1 bezeichnen die Lage des Saturnsringes.

Titan

(II, Seite 172).

Epoche: 1890 Jan. 0.0 mittl. Greenw. Zeit.

$$E_0 = 260^\circ\ 25'.1$$
$$n = 22^\circ.577009$$
$$E - E_0 = +\ 4'.05 \sin (47^\circ.8 - 0^\circ.51\ t)$$
$$l = E_0 + nt_d + (E - E_0)$$
$$\Omega = 167^\circ\ 51'.2 + 35'.84 \sin (47^\circ.8 - 0^\circ.506\ t) + 0'.837\ t$$
$$i = 27^\circ\ 28'.4 + 16'.88 \cos (47^\circ.8 - 0^\circ.506\ t)$$
$$\Pi = 276^\circ\ 15' + 31'.7\ t + 22'.0 (\sin 2g - \sin 2g_0)$$
$$e = 0.02886 + 0.000186 (\cos 2g_0 - \cos 2g)$$
$$g = \Pi - \Omega - 4^\circ.5$$
$$g_0 = g \text{ für } t = 0$$
$$a = 176''.578$$

Hyperion

(II, Seite 290).

Epoche: 1890 Jan. 0.0 mittl. Greenw. Zeit.

$$E_0 = 304^\circ.53$$
$$n = 16^\circ.919983$$
$$\delta l = 9^\circ.16 \sin (200^\circ.5 + 0^\circ.56206\ t_d)$$
$$l = E_0 + n \,.\, t_d + \delta l$$

Äquinoktium: 1890.0. Epoche: 1890.0 + t.

$$\Omega = 167^\circ\ 49'.7 + 42'.4 \sin (47^\circ.8 - 0^\circ.50\ t) + 78'.1 \sin (121^\circ.7 - 2^\circ.0\ t)$$
$$i = 27^\circ\ 20'.8 + 19'.6 \cos (47^\circ.8 - 0^\circ.50\ t) + 36'.2 \cos (121^\circ.7 - 2^\circ.0\ t)$$

Epoche und Äquinoktium: 1888.890 + t.

$$\Pi = 276^\circ.50 - 18^\circ.663\ t + 14^\circ.0 \sin (-0^\circ.84 + 19^\circ.191\ t) - 1^\circ.5 \sin (-1^\circ.68 + 38^\circ.382\ t)$$
$$e = 0.1043 + 0.0230 \cos (-0^\circ.84 + 19^\circ.191\ t) + \delta e$$
$$e\delta e = -0.00044 \cos (200^\circ.5 + 0^\circ.56206\ t_d)$$
$$a = 213''.92 + \delta a$$
$$\delta a = -0.00354\ a \cos (200^\circ.5 + 0^\circ.56206\ t_d)$$

Japetus

(I, Seite 87; II, Seite 139).

Epoche: 1885 Sept. 1.0 mittl. Greenw. Zeit.

$$E_0 = 75^\circ\ 26'.4$$
$$n = 4^\circ.537997$$
$$l = E_0 + n \,.\, t_d$$
$$\Omega = 142^\circ\ 12'.4 - 1'.48\ t$$
$$i = 18^\circ\ 28'.3 - 0'.54\ t$$
$$\Pi = 354^\circ\ 30' + 7'.9\ t$$
$$e = 0.02836 + 0.000015\ t$$
$$a = 514''.59$$

l_1, l — Mittlere Länge in der Bahn
n — Tropische mittlere tägliche Bewegung
δl — Libration
t_d — Anzahl der Tage seit der Anfangsepoche
t — Anzahl der Jahre seit der Anfangsepoche
Θ — Knoten auf dem Saturnsäquator
Ω — Knoten auf der Ekliptik
γ — Neigung der Trabantenbahn gegen den Saturnsäquator
i — Neigung der Trabantenbahn gegen die Ekliptik
Π_1, Π — Perisaturnium
e — Exzentrizität
a — Halbachse der Trabantenbahn in der mittleren Entfernung $(\varrho) = 9.53887$

l_1, Π_1 und Θ werden gezählt vom Äquinoktium aus in der Ekliptik, weiter im Saturnsäquator und dann erst in der Trabantenbahn, l und Π vom Äquinoktium aus in der Ekliptik und weiter in der Trabantenbahn.

Zunächst sind für die fünf inneren Trabanten auf den Seiten 426 bis 436 die Hülfsmittel gegeben, um in bequemer Weise ihre Positionen ableiten zu können. Sieht man hierbei von den Neigungen γ ab, so erhält man die rechtwinkeligen Koordinaten x und y des Trabanten in bezug auf ein Achsenkreuz, dessen Anfangspunkt im Mittelpunkt des Saturn gelegen ist, dessen X-Achse parallel der grofsen Achse des Ringes verläuft, positiv, wenn östlich, negativ, wenn westlich vom Saturn und dessen positive Y-Achse mit dem durch den Saturnsmittelpunkt gehenden Deklinationskreise den Winkel P einschliefst, aus den Gleichungen:

$$x = \frac{a(\rho)}{\rho} \frac{1}{1+\zeta} \frac{r}{a} \sin(u-U)$$

$$y = \frac{a(\rho)}{\rho} \frac{1}{1+\zeta} \frac{r}{a} \sin B \cos(u-U);$$

$(\varrho) = 9.53887$ bezeichnet den mittleren Wert der Entfernung Sonne—Saturn, ϱ ist die Entfernung Erde—Saturn, $u = L + (v - M)$ ist die wahre Länge des Trabanten vom Erdäquator an gezählt.

Ist genaueste Ortsbestimmung erforderlich, so darf man bei Mimas, Tethys und Rhea die Neigungen gegen den Saturnsäquator, da sie schon merklichere Werte annehmen, nicht mehr vernachlässigen; x und y ergeben sich dann aus:

$$x = \frac{a(\rho)}{\rho} \frac{1}{1+\zeta} \frac{r}{a} \sin(u-U)$$

$$y = \frac{a(\rho)}{\rho} \frac{1}{1+\zeta} \frac{r}{a} \sin B\,[\cos(u-U) + \sin\gamma \operatorname{cotg} B \sin(u-\vartheta)];$$

hierin bezeichnet ϑ die Länge des aufsteigenden Knotens der Trabantenbahn

auf dem Saturnsäquator, gezählt vom Schnittpunkte des Saturnsäquators mit dem Erdäquator; ϑ ergibt sich aus:

$$\vartheta = \Theta - \Omega_1 + \omega$$

für Tethys ist $\frac{r}{a} = 1$.

Will man aus x und y noch Rektascensions- und Deklinationsdifferenzen bestimmen, so dienen dazu die Gleichungen:

$$s \sin (p - P) = x$$

$$s \cos (p - P) = y$$

$$\Delta \alpha = \alpha_{tr} - \alpha_{pl} = \frac{1}{15} s \sin p \sec \delta_{tr}$$

$$\Delta \delta = \delta_{tr} - \delta_{pl} = s \cos p.$$

Auf den Seiten 437 bis 445 finden sich für die drei äufseren Trabanten Titan, Hyperion und Japetus, aufser den Hülfsgröfsen U, B und P, die Rektascensions- und Deklinationsunterschiede gegen den Saturn in dem Sinne Trabant minus Planet. Die aus den Angaben des Berliner Jahrbuchs ermittelten Trabantenörter sind wahre.

Zum Schlufs enthalten die Seiten 446—454 die Zeitangaben für die östlichen und westlichen Elongationen der Saturnstrabanten, für die oberen und unteren Konjunktionen von Japetus mit Saturn und für die im Jahre 1908 stattfindenden Verfinsterungen der Trabanten.

Die Berechnung der Verfinsterungen ist nur genähert durchgeführt. Die Hauptvernachlässigung besteht darin, dafs für die Bildung des vom Saturn ausgehenden Kernschattens die Kugelgestalt des Planeten angenommen wurde.

Die für den Meridian von Berlin gültigen Zeiten der Elongationen, Konjunktionen und Verfinsterungen sind bereits für Aberration korrigiert, also ohne weiteres mit den Beobachtungen vergleichbar.

17) Konstellationen.

In der Übersicht der Konstellationen des Jahres 1908 (Seite 455 und 456) sind die hauptsächlichsten Planeten-Konstellationen gegeneinander und gegen Sonne, Mond und die Sterne 1. und 2. Gröfse, sowie die Angaben der Epochen, zu welchen sich die Planeten in gewissen Hauptpunkten ihrer Bahn und ihres synodischen Laufes befinden, zusammengestellt. Die Bedeckungen der Planeten und der helleren Fixsterne (bis 2. Gröfse) durch den Mond auf der Erde überhaupt sind hier ebenfalls nochmals mit aufgeführt. — Die Konjunktionen der Planeten mit dem Mond und untereinander sind als Konjunktionen in AR. zu verstehen. Die Epochen der gröfsten Helligkeit der Venus sind nach derjenigen Formel für die Lichtstärke, welche G. Müller in der *Publikation des Astro-*

phys. Observatoriums zu Potsdam, Bd. VIII, Seite 197 ff. gegeben hat, berechnet.

Als Abkürzungen sind in dieser Übersicht folgende gebraucht:

♈ Widder.	☉ Sonne.	
♉ Stier.	☾ Mond.	
♊ Zwillinge.	☿ Merkur.	☌ Konjunktion.
♋ Krebs.	♀ Venus.	□ Quadratur.
♌ Löwe.	♁ Erde.	☍ Opposition.
♍ Jungfrau.	♂ Mars.	
♎ Wage.	♃ Jupiter.	☊ Aufsteigender } Knoten.
♏ Skorpion.	♄ Saturn.	☋ Niedersteigender } Knoten.
♐ Schütze.	⛢ Uranus.	
♑ Steinbock.	♆ Neptun.	
♒ Wassermann.		
♓ Fische.		

18) Hülfstafeln.

Es folgt eine Reihe von häufig gebrauchten Hülfstafeln.

1) Die Tafel zur Berechnung der physischen Mondlibration (Seite 457). Die zur Berechnung der physischen Mondlibration dienenden Ausdrücke sind auf Seite 457 vollständig gegeben. Sie beruhen auf der Annahme $f = 0.8$, worüber F. Hayn (Selenographische Koordinaten, II) einzusehen ist.

2) Die Tafel zur Berechnung der optischen Mondlibration (Seite 458 und 459) reproduziert (mit $J = 1° 32' 6''$ berechnet) die bekannte Enckesche Tafel (Berl. Jahrb. 1843); sie gestattet in Verbindung mit den Angaben der Seite 88 die rasche Berechnung der optischen Libration in selenographischer Länge und Breite nach den Formeln, die auf Seite 459 vollständig aufgeführt sind. Hierbei scheint die Kenntnis der wahren Längen und Breiten des Mondes notwendig zu sein, welche im Jahrbuch vermifst werden; indessen werden die Längen und Breiten zu diesem Zweck mit merklichem Vorteil aus der mit Hinzufügung der Parallaxe berechneten AR. und Dekl. abgeleitet, wozu man sich der gewöhnlichen Umwandlungsformeln oder, wenn nicht gröfsere Genauigkeit erfordert wird, der Enckeschen Hülfstafel in der Veröffentlichung Nr. 14 des Recheninstituts bedienen kann.

3) Eine Tafel mit Angabe der Bruchteile des tropischen Jahres, die den nebenstehenden mittleren Daten (0^h Mittl. Zeit Berlin) entsprechen. (Seite 460 und 461.)

4) Eine Tafel für die Ermittelung eines Datums in der julianischen Periode. (Seite 462 und 463.)

5) Die Hülfstafeln zur Verwandlung von mittlerer Zeit und Sternzeit (Seite 464 und 465).

6) Eine Tafel zur Verwandlung von Stunden, Minuten und Sekunden in Dezimalteile des Tages und umgekehrt (Seite 466 und 467).

7) Eine Tafel mit Angabe der Hülfsgröfsen zur Berechnung der Präzession von den hauptsächlichsten Sternkatalog-Epochen bis 1908.0 (Seite 468).

19) Koordinaten der Sternwarten.

Die Seiten 469 bis 475 enthalten die geographischen und geozentrischen Koordinaten der Sternwarten.

Die Seehöhen sind in allen Fällen angegeben worden, wo sie sich einigermafsen sicher ermitteln liefsen; zumeist sind sie dem Verzeichnis von Prof. Auwers im *Geographischen Jahrbuch* entnommen worden; bei der Berechnung von log ϱ sind sie berücksichtigt.

Die geozentrischen Koordinaten sind nach den Besselschen Erddimensionen berechnet.

Die Kolumne »Korrektion der Sternzeit« enthält für jeden Ort die Differenz: Sternzeit im mittleren Mittag minus Sternzeit im mittleren Berliner Mittag.

Das Verzeichnis hat im vorliegenden Jahrgang Änderungen für die Lage folgender Sternwarten erfahren:

Moskau nach Schirota moskowska observatorii, Seite 341. Moskwa 1903.
Potsdam » Veröffentlichungen des K. Preufs. Geodätischen Instituts. Polhöhe von Potsdam. Heft III.

Aufserdem sind der Redaktion nach bereits erfolgtem Druck des betreffenden Bogens von der Direktion der deutschen Seewarte noch folgende Lagen mitgeteilt worden:

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Hamburg (D. Seewarte) .	30	+53 32 51.8	+0 13 41.38	+ 2.25	+53 21 51.0	9.999065
Tsingtau (Met.-astr. Stat.)	—	+36 4 11.3	−7 7 41.41	−70.26	+35 53 14.6	9.999499

20) Bahnelemente der kleinen Planeten.

Die Seiten 476—505 enthalten die Bahnelemente der kleinen Planeten nach den neuesten der Redaktion bekannt gewordenen Bestimmungen. Die unmittelbar den Namen folgenden Kolumnen geben auch das Datum der Opposition im Jahre 1906 und die Gröfse zur Zeit derselben.

Ferner sind gegeben zwei Kolumnen m_0 und g, welche zur Berechnung der Gröfse des Planeten dienen. Es bedeutet m_0 die mittlere Gröfse, d. h. diejenige Gröfse, welche der Planet in seiner mittleren Entfernung a von der Sonne und der gleichzeitigen Entfernung $a-1$ von der Erde haben würde; ferner ist g eine Gröfse, welche aus m_0 nach der Formel

$$g = m_0 - 5 \cdot \log a\,(a - 1)$$

berechnet ist, und welche dazu dient, für einen beliebigen geozentrischen Ort des Planeten seine Gröfsenklasse M zu berechnen. Ist Δ die Entfernung des Planeten von der Erde, r seine Entfernung von der Sonne, so ist seine Gröfse

$$M = g + 5\,(\log \Delta + \log r).$$

21) Oppositionsdaten der kleinen Planeten.

Von den 420 im Jahre 1906 und zu Anfang des Jahres 1907 stattfindenden Oppositionen der kleinen Planeten (1)—(553) ist Seite 506—516 eine übersichtliche Zusammenstellung, nach der Oppositionszeit geordnet, gegeben. In diesem Verzeichnisse ist neben dem Namen des Planeten der Tag der Opposition in AR., die Gröfse, der genäherte geozentrische Ort, die tägliche Bewegung an jenem Tage, der Logarithmus der Entfernung des Planeten von der Erde und aufserdem das Jahr, in welchem der Planet zum letzten Male beobachtet wurde, angegeben.

Für 44 Planeten, welche in dem Oppositionsverzeichnis durch ein Sternchen (*) bezeichnet sind, enthalten die Seiten 517—560 ausführliche Ephemeriden; für etwa 100 weitere Planeten, deren Beobachtung im Jahre 1906 erwünscht erscheint, sind genäherte Oppositionsephemeriden in den Veröffentlichungen des Recheninstitutes Nr. 29 und 30 gegeben.

22) Ausführliche Oppositionsephemeriden.

Diese Ephemeriden (Seite 517—560), die neben der Erleichterung der Beobachtungen einer künftigen Theorie der entsprechenden Planeten zur Grundlage dienen sollen, sind zum Teil im Recheninstitut berechnet, zum Teil von den unterzeichneten Herren der Redaktion gütigst zur Verfügung gestellt worden. Für die Lichtzeit ist hierbei angenommen: $498^s.4$.

23) Nachweisungen über die kleinen Planeten.

Das die Nachweisungen über die kleinen Planeten enthaltende Verzeichnis (Seite 561—584) gibt in zwei Abschnitten eine Übersicht der Stellen in den verbreitetsten Publikationsmitteln, wo A. Beobachtungen, B. Berechnungen in bezug auf die kleinen Planeten sich vorfinden. Das Nähere ist aus dem Verzeichnisse selbst unmittelbar zu ersehen. — Die Übersicht umfaſst Band 166, S. 161 bis Band 169, S. 172 einschl. der *Astronomischen Nachrichten* (bezeichnet mit A. N.), das *Bulletin Astronomique* Band 21, S. 369 bis Band 22, S. 384 (bezeichnet mit B. A.), das *Astronomical Journal* Band 24, S. 131 bis Band 24, S. 206 (bezeichnet mit A. J.), die *Comptes Rendus des Séances de l'Académie des Sciences* Band 139, S. 525 bis Band 141, S. 540 (bezeichnet mit C. R.) und die *Mitteilungen der Nicolai Hauptsternwarte zu Pulkowo* (bezeichnet mit M. P.), Band Nr. 1–4. Die angenommenen Grenzen dieser Übersicht entsprechen (mit Ausnahme der beiden letztgenannten Publikationen, bei welchen auf frühere Nummern zurückgegriffen ist), den Zeitgrenzen der Publikation 1904 Okt. 1 bis 1905 Okt. 1.

Zur Statistik der kleinen Planeten im Jahre 1905.

Seit dem Erscheinen des letzten Jahrbuches sind bis Ende Dezember 1905 folgende 16 neue Planeten entdeckt, bezw. als solche erkannt worden, welche zu der Gruppe zwischen Erde und Jupiter gehören:

554	Peraga	entdeckt	1905	Jan.	8	von	Götz	
555	*PT*	»	»	Jan.	14	»	Wolf	Königstuhl.
556	*PW*	»	»	Jan.	8	»	Götz	
557	*PY*	»	»	Jan.	26	»		
558	*QB*	»	»	Febr.	9	»		
559	*QD*	»	»	März	8	»		
560	*QF*	»	»	März	13	»	Wolf, Königstuhl.	
561	*QG*	»	»	März	26	»		
562	*QH*	»	»	April	3	»		
563	*QK*	»	»	April	6	»	Götz, Königstuhl.	
564	*QM*	»	»	Mai	9	»		
565	Marbachia	»	»	Mai	9	»	Wolf, Königstuhl.	
566	Stereoskopia	»	»	Mai	28	»		
567	*QP*	»	»	Mai	28	»	Götz, Königstuhl.	
568	Cheruskia	»	»	Juli	26	»		
569	Misa	»	»	Juli	27	»	Palisa, Wien.	

Aufser den genannten sind noch nahezu 40 bisher anscheinend unbekannte Planeten gefunden, für welche zum Teil Bahnberechnungen wegen unzureichenden Beobachtungsmaterials nicht ausführbar, zum Teil die Rechnungen noch nicht abgeschlossen sind.

Unter den 569 jetzt bekannten kleinen Planeten sind im gegenwärtigen Zeitpunkte (Mitte März 1906), soviel der Redaktion bekannt geworden ist,

388 Planeten, welche in mindestens 4 Oppositionen beobachtet sind, nämlich die Planeten (1) bis (289) mit Ausnahme von (99), (132), (155), (157), (188), (193), (220), (260), (272), (280), (281) und (285) und aufserdem:

(291) Alice
(292) Ludovica
(295) Theresia
(297) Caecilia
(298) Baptistina
(300) Geraldina
(301) Bavaria
(303) Josephina
(304) Olga
(305) Gordonia
(306) Unitas
(308) Polyxo
(311) Claudia
(313) Chaldaea
(317) Roxane
(318) Magdalena
(321) Florentina
(322) Phaeo
(324) Bamberga
(325) Heidelberga
(326) Tamara
(329) Svea
(331) Etheridgea
(332) Siri
(333) Badenia
(334) Chicago
(335) Roberta
(336) Lacadiera
(337) Devosa
(338) Budrosa
(339) Dorothea
(340) Eduarda
(341) California
(342) Endymion
(343) Ostara
(344) Desiderata
(345) Tercidina
(346) Hermentaria
(347) Pariana
(348) May
(349) Dembowska
(350) Ornamenta
(351) Yrsa
(352) Gisela
(354) Eleonora
(356) Liguria
(358) Apollonia
(359) Georgia
(360) Carlova
(362) Havnia
(363) Padua
(364) Isara
(366) Vincentina
(369) Aëria
(371) Bohemia
(372) Palma
(373) Melusina
(374) Burgundia
(375) Ursula
(376) Geometria
(377) Campania
(378) Holmia
(379) Huenna
(380) Fiducia
(381) Myrrha
(382) Dodona
(384) Burdigala
(385) Ilmatar
(386) Siegena
(387) Aquitania
(388) Charybdis
(389) Industria
(393) Lampetia
(397) Vienna
(401) Ottilia
(402) Chloë
(403) Cyane
(404) Arsinoë
(405) Thia
(407) Arachne
(409) Aspasia
(412) Elisabetha
(415) Palatia
(416) Vaticana
(417) Suevia
(419) Aurelia
(420) Bertholda
(423) Diotima
(424) Gratia
(425) Cornelia
(432) Pythia
(433) Eros
(434) Hungaria
(435) Ella
(439) Ohio
(442) Eichsfeldia
(444) Gyptis
(446) Aeternitas
(447) Valentine
(449) Hamburga
(451) Patientia
(454) Mathesis
(455) Bruchsalia
(458) Hercynia
(462) Eriphyla
(470) Kilia
(478) Tergeste
(482) Petrina
(483) Seppina
(484) Pittsburghia
(498) Tokio

31 Planeten, welche in 3 Oppositionen beobachtet sind, nämlich:

(260) Huberta . 17
(272) Antonia . 15
(299) Thora . . 12
(302) Clarissa . 12
(312) Pierretta 12
(314) Rosalia . 12
(365) Corduba . 11
(370) Modestia . 10
(383) Janina . . 10
(390) Alma . . 10
(391) Ingeborg 10
(394) Arduina . . 9
(406) 9
(418) Alemannia . 8
(421) Zähringia . 8
(426) 7
(429) 7
(440) Theodora . 6
(443) Photographica 5
(445) Edna . . . 6
(453) 5
(456) Abnoba . . 5
(460) Scania . . . 5
(475) Ocllo 4
(476) Hedwig . . . 4
(487) Venetia . . . 3
(488) Kreusa . . . 9
(505) Cava 3
(511) Davida . . . 3
(514) 3
(516) Amherstia . 3

53 Planeten, welche nur in 2 Oppositionen beobachtet sind, nämlich:

(157) Dejanira . 23
(188) Menippe . 22
(280) Philia . . 14
(281) Lucretia . 12
(294) Felicia . . 13
(296) Phaëtusa 11
(307) Nike . . 13
(319) Leona . . 13
(327) Columbia 11
(328) Gudrun . 12
(355) Gabriella 10
(361) Bononia . 12
(367) Amicitia . 9
(395) Delia . . 9
(399) Persephone 9
(411) 9
(427) 7
(431) 7
(436) Patricia . . 7
(437) 6
(438) 6
(450) Brigitta . . 6
(467) 5
(471) 4
(472) Roma . . . 4
(477) Italia . . . 4
(481) 4
(485) 4
(490) 3
(491) Carina . . . 3
(492) 3
(494) Virtus . . . 3
(500) 3
(502) 3
(503) Evelyn . . 3
(504) 3
(506) 3
(507) Laodica . . 8
(508) 3
(509) 3
(510) Mabella . . . 3
(517) 2
(520) Franziska . . 2
(521) Brixia . . . 2
(532) Herculina . . 2
(537) 2
(539) 2
(542) Susanna . . 2
(543) 2
(544) Jetta 2
(546) 2
(550) 2
(554) Peraga . . . 2

97 Planeten, welche bisher nur in 1 Opposition beobachtet sind, nämlich:

(99) Dike . . . 30
(132) Aethra . . 26
(155) Scylla . . 25
(193) Ambrosia 21
(220) Stephania 18
(285) Regina . 14
(290) Bruna . . 12
(293) Brasilia . 13
(309) Fraternitas 12
(310) Margarita 12
(315) Constantia 11
(316) Goberta . 12
(320) Katharina 12
(323) Brucia . . 10
(330) Adalberta . 10
(353) Ruperto-C. . 11
(357) 11
(368) 11
(392) Wilhelmina 10
(396) 9
(398) 9
(400) Ducrosa . . 9
(408) Fama . . . 9
(410) 8
(413) Edburga . 8
(414) 9
(422) Berolina . . 7
(428) Monachia . . 6
(430) 7
(441) 6
(448) Natalie . . . 6
(452) 5
(457) Alleghenia . 5
(459) 5
(461) 5
(463) 4
(464) 5
(465) 5
(466) 5

(468) 5	(501) 3	(529) 2
(469) 5	(512) Taurinensis 2	(530) 2
(473) 4	(513) 2	(531) 2
(474) 4	(515) 2	(533) 2
(479) 4	(518) 2	(534) 2
(480) 4	(519) 2	(535) 2
(486) 3	(522) 2	(536) 2
(489) 3	(523) 2	(538) 2
(493) Griseldis . 3	(524) 2	(540) 2
(495) 3	(525) 2	(541) 2
(496) Gryphia . . 3	(526) 2	(545) 2
(497) 3	(527) 2	(547) 2
(499) 3	(528) 2	(552) 2

und aufserdem die Planeten (548), (549), (551), (553) und (555) bis (569), deren zweite auf die Entdeckungserscheinung folgende Opposition noch bevorsteht.

In den vorstehenden Angaben bezeichnen die hinter den Planetennamen befindlichen Ziffern die Anzahl der bisher, mit Einschlufs der Entdeckungserscheinung, stattgefundenen Oppositionen.

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